Samsung Galaxy A53 vs A52: Whatâ??s the Difference

Description

Samsung Galaxy A53 vs A52: A Detailed Comparison of Key Differences

Samsungâ??s Galaxy A series has long been a favorite among mid-range smartphone users, offering a balance of performance, design, and affordability. The **Galaxy A52** and its successor, the **Galaxy A53**, share many similarities but also introduce several key upgrades. If youâ??re deciding between the two, this detailed comparison will help you understand the differences in design, display, performance, camera, battery life, and software.

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1. Design and Build Quality

Galaxy A52

- **Materials:** The A52 features a **plastic back** with a **matte finish**, which resists fingerprints but feels less premium than glass.
- **IP Rating: IP67** water and dust resistance, meaning it can survive brief submersion in water.
- **Dimensions:** 159.9 x 75.1 x 8.4 mm, weighing **189g**.
- **Colors:** Awesome Black, Awesome White, Awesome Violet, Awesome Blue.

Galaxy A53

- **Materials:** The A53 also has a **plastic back** but with a **refined, smoother texture** that feels more premium.
- **IP Rating: IP67** (same as A52), ensuring water and dust resistance.
- **Dimensions:** Slightly larger at **159.6 x 74.8 x 8.1 mm**, weighing **189g** (same as A52).
- **Colors:** Awesome Black, Awesome White, Awesome Blue, Awesome Peach.

Key Differences:

- The **A53 has a slightly flatter, more modern design** with thinner bezels.
- The **camera module is now flush with the back panel** (unlike the A52â??s protruding module).
- The **A53 feels more refined** in hand due to its smoother texture.

2. Display: Size, Refresh Rate, and Technology

Galaxy A52

- **Size: 6.5-inch** Super AMOLED
- **Resolution: 1080 x 2400 (FHD+)**
- **Refresh Rate: 90Hz** (smooth scrolling but not as fluid as 120Hz)
- **Peak Brightness: 800 nits** (good outdoor visibility)
- **Always-On Display (AOD):** Yes

Galaxy A53

- **Size: 6.5-inch** Super AMOLED
- **Resolution: 1080 x 2400 (FHD+)**
- **Refresh Rate: 120Hz** (smoother animations and gaming)
- **Peak Brightness: 800 nits** (same as A52)
- **Always-On Display (AOD):** Yes

Key Differences:

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- The **A53 upgrades to a 120Hz refresh rate**, making scrolling, gaming, and animations noticeably smoother.
- Both displays are **bright and vibrant**, but the A53â??s higher refresh rate gives it an edge in fluidity.

3. Performance: Processor and RAM

Galaxy A52

- **Chipset: Qualcomm Snapdragon 720G** (8nm)
- **CPU:** Octa-core (2Ã?2.3 GHz Kryo 465 Gold & 6Ã?1.8 GHz Kryo 465 Silver)
- **GPU:** Adreno 618
- **RAM: 4GB, 6GB, or 8GB** (depending on variant)
- **Storage: 128GB or 256GB** (expandable via microSD)

Galaxy A53

- **Chipset: Samsung Exynos 1280** (5nm)
- **CPU:** Octa-core (2Ã?2.4 GHz Cortex-A78 & 6Ã?2.0 GHz Cortex-A55)
- **GPU:** Mali-G68
- **RAM: 6GB or 8GB**
- **Storage: 128GB or 256GB** (expandable via microSD)

Key Differences:

- The **A53â??s Exynos 1280 is more power-efficient** (5nm vs 8nm) and offers **better CPU and GPU performance**.
- **Benchmark tests** show the A53 is **~20-30% faster** in both CPU and GPU tasks.
- The **A52â??s Snapdragon 720G is still capable** for everyday tasks but struggles with demanding games.
- **RAM options are similar**, but the A53 benefits from **LPDDR4X RAM** (faster than A52â??s LPDDR4).

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4. Camera: Hardware and Software Improvements

Galaxy A52

- **Rear Cameras:**
- **64MP (f/1.8, main)** â?? OIS, PDAF
- **12MP (f/2.2, ultrawide)** â?? 123Â° FOV
- **5MP (f/2.4, macro)**
- **5MP (f/2.4, depth)**
- **Front Camera: 32MP (f/2.2)**
- **Video Recording:**
- **4K@30fps** (rear)
- **1080p@30fps** (front)

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Galaxy A53

- **Rear Cameras:**
- **64MP (f/1.8, main)** â?? OIS, PDAF
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- **5MP (f/2.4, macro)**
- **5MP (f/2.4, depth)**
- **Front Camera: 32MP (f/2.2)**
- **Video Recording:**
- **4K@30fps** (rear)
- **4K@30fps** (front) â?? **New upgrade!**

Key Differences:

- **Video recording is the biggest upgrade**â??the A53 can now record **4K video from the front camera**, whereas the A52 was limited to 1080p.
- **Image processing is slightly improved** on the A53, with better HDR and low-light performance.
- **Macro and depth sensors remain the same**, but the A53â??s software optimizations make them more useful.

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5. Battery Life and Charging

Galaxy A52

- **Battery Capacity: 4,500mAh**
- **Charging Speed: 25W fast charging** (adapter sold separately)
- **Battery Life: Excellent**, easily lasts a full day with moderate use.

Galaxy A53

- **Battery Capacity: 5,000mAh** (larger than A52)
- **Charging Speed: 25W fast charging** (same as A52, adapter sold separately)
- **Battery Life: Even better** due to the larger battery and more efficient Exynos 1280 chip.

Key Differences:

- The **A53â??s 5,000mAh battery** provides **longer endurance**, especially for heavy users.
- **Charging speed remains the same (25W)**, but the A53 may take slightly longer to charge due to the bigger battery.

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6. Software and Updates

Galaxy A52

- **Initial OS: Android 11 (One UI 3.1)**
- **Current OS: Android 13 (One UI 5.1)**
- **Update Policy: 4 years of major Android updates + 5 years of security patches**

Galaxy A53

- **Initial OS: Android 12 (One UI 4.1)**
- **Current OS: Android 14 (One UI 6.0)**
- **Update Policy: 4 years of major Android updates + 5 years of security patches**

Key Differences:

- The **A53 launched with Android 12**, while the A52 started with Android 11.
- Both phones will receive **updates until 2026 (major OS) and 2027 (security patches)**.
- **One UI experience is nearly identical**, but the A53 benefits from newer optimizations.

7. Additional Features

Feature	Galaxy A52	Galaxy A53
5G Support	No (4G only)	**Yes** (5G variant available)

Feature	Galaxy A52	Galaxy A53
Stereo Speakers	Yes	Yes
3.5mm Headphone Jack	Yes	**No** (removed)
Fingerprint Sensor	Under-display (optical)	Under-display (optical)
NFC	Yes	Yes
Samsung DeX	No	**Yes** (limited support)

Key Differences:

- The **A53 supports 5G** (in select markets), while the A52 is **4G-only**.
- The **A53 removes the 3.5mm headphone jack**, which may be a dealbreaker for some users.
- **Samsung DeX** (desktop mode) is now available on the A53, though with limited functionality.

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8. Price and Availability

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Galaxy A52 (Launch Price)

- **4GB + 128GB:** ~$349
- **6GB + 128GB:** ~$399
- **8GB + 256GB:** ~$449

Galaxy A53 (Launch Price)

- **6GB + 128GB:** ~$449
- **8GB + 128GB:** ~$499
- **8GB + 256GB:** ~$549

Current Pricing (2024)

- The **A52 is now cheaper** (often under $300), while the **A53 remains around $350-$450** depending on storage.

Final Verdict: Which One Should You Choose?

Choose the Galaxy A52 if:

â? You want a **cheaper phone** with a **headphone jack**.
â? You donâ??t need **5G or 120Hz display**.
â? You prefer a **proven, reliable mid-ranger** with good battery life.

Choose the Galaxy A53 if:

â? You want **better performance** (Exynos 1280 vs Snapdragon 720G).
â? You prefer a **120Hz display** for smoother scrolling.
â? You need **5G connectivity** (in supported regions).
â? You want **4K front camera video recording**.
â? You donâ??t mind **losing the headphone jack**.

Overall Winner: Galaxy A53

The **A53 is the clear upgrade** with a **faster processor, 120Hz display, 5G support, and better battery life**. However, if you **prioritize the headphone jack and lower cost**, the A52 remains a solid choice.

Conclusion

The **Samsung Galaxy A53 improves upon the A52 in nearly every way**, making it the better long-term investment. However, the **A52 is still a great phone** if you find it at a discounted price. Ultimately, your choice depends on whether you value **performance, display smoothness, and future-proofing (A53)** or **cost savings and the headphone jack (A52)**.

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Category

1. Uncategorized

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