

Dark Mode for Android

Phoenix Mobile User Group

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About Me

- Senior Consultant I at Neudesic
- Android developer
- Obsessed with Cats

Dark Theme

But really, it's dark mode

- Introduced in Android 10 (API 29)
 - System level function
 - Theoretically available on Android 9 via Developer Options
 - Available for all other android devices if an option is provided in app.
- Great for users who like minimal light interaction from their device, easier on the eyes for users of low-level vision
 - If you really want, can possibly get away with it in the theaters

How to access?

- Android 10
 - Go to Settings > Display > Toggle Dark Theme
- Android 9
 - Go to Settings > Display > Advanced > Scroll to Device Theme > Dark

Picking a Dark Theme for your app

- Material Theme Guide to Dark Theme
 - <https://material.io/design/color/dark-theme.html#ui-application>
- Color picker for your app colors
 - <https://material.io/resources/color/#!/?view.left=0&view.right=0>
- Color scale to use for dark theme:
 - <https://material.io/design/color/the-color-system.html#tools-for-picking-colors>

How to implement dark theme?

- Theme.AppCompat.DayNight
- Theme.MaterialComponents.DayNight
- values-night folder for night resources

DOs and DONTs of Dark Theme

- DO use theme attributes/ night qualified resources
- DO test your app while implementing dark theme
- DO follow best practices provided by Google
- DO NOT use hard coded colors in views
- DO NOT use static colors in icons
- DO NOT have super saturated colors in Dark Theme

Demo!

Learn more about Dark Theme

- Raywenderlich: <https://www.raywenderlich.com/6488033-android-10-dark-theme-getting-started>
- <https://blog.prototypr.io/how-to-design-a-dark-theme-for-your-android-app-3daeb264637>
- <https://developer.android.com/guide/topics/ui/look-and-feel/darktheme>

Thank you!

Questions, comments, concerns

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- Interested in presenting? It's easy to sign up!
 - Contact Shane Foley (shane.foley@neudesic.com) or Sam Morton (sam.morton@neudesic.com) to present