See https://github.com/consp1racy/android-commons/blob/3a90d3341aa05c6e57d2986d6d48d5446f2d95f6/text-span/src/main/java/net/xpece/android/graphics/WeightTypefaceLegacy.kt

✓ Links (9)

and look for best match in Java.

	amily xmlns:app=" http://schemas.android.com/apk/res-auto ">"	
"See ht	tps://github.com/consp1racy/android-commons/blob/3a90d3341aa05c6e57d2986d6d48d5446f2d95f6/text-span/src/main/java/net/xpece/and" tps://github.com/consp1racy/android-commons/blob/3a90d3341aa05c6e57d2986d6d48d5446f2d95f6/text-span/src/main/java/net/xpece/and" tps://github.com/consp1racy/android-commons/blob/3a90d3341aa05c6e57d2986d6d48d5446f2d95f6/text-span/src/main/java/net/xpece/and"	
"I adapt	ted the original implementation into a CL here <a "="" href="https://android-review.googlesource.com/c/platform/frameworks/support/+/1654950">https://android-review.googlesource.com/c/platform/frameworks/support/+/1654950" Ill related links	,
СОММЕ	NTS	All comments ▼ ↓ Oldes
	ki@google.com <ki@google.com></ki@google.com>	Apr 14, 2020 12:
	Assigned to si@google.com.	
	si@google.com <si@google.com></si@google.com>	Apr 14, 2020 02:
	Reassigned to an@google.com.	
	ja@gmail.com <ja@gmail.com><u>#2</u></ja@gmail.com>	Aug 3, 2020 08:33PM
	Any updates on this?	
	ru@gcpsoftware.com <ru@gcpsoftware.com><u>#3</u></ru@gcpsoftware.com>	Mar 25, 2021 12:17AN
	Any update?	
	e@gmail.com <e@gmail.com><u>#4</u></e@gmail.com>	Mar 29, 2021 12:32AM
	I adapted the original implementation into a CL here https://android-review.googlesource.com/c/platform/frameworks/support/+/1654950	
	jh@themeetgroup.com <jh@themeetgroup.com> #5</jh@themeetgroup.com>	Apr 6, 2022 03:59AM
	I see that the above CL has had some movement recently, which is great!	
	Out of curiosity, will this enable picking up fontWeight and/or textFontWeight from view styles/TextAppearance automatically (at least in AppCompatTextView)? Or is this only going to enab TypefaceCompat.create()? The code seems to be implementing only the Typeface side of this, but not actually utilizing that in AppCompatTextView.	
	Our concern has been that there's no way to define a proper $font-family$ resource, set it once, and then let the View/style/TextAppearance select that the framework fonts.xml font families work.	the right weight from there. That is, the w
	ap@google.com <ap@google.com><u>#6</u></ap@google.com>	Jul 2, 2022 07:24AM
	Project: platform/frameworks/support Branch: androidx-main	
	commit daf12216d3afba24fe01e87573da6785044a2d26	
	Author: Sean McQuillan < <u>seanmcq@google.com</u> > Date: Fri Apr 08 14:13:29 2022	
	When TypefaceCompat.create fallback fails don't throw	
	Previously: Reflection invocation could error in unknown circumstances	
	Now: Typeface fallback will silently defer to legacy implementation.	
	Bug: <u>b/145311058</u>	
	Test: ./gradlew :core:core:cAT Change-Id: I8ac8ecb9ba3a631c17bab53e44e73ecd024589ad	
	M core/core/src/main/java/androidx/core/graphics/TypefaceCompatBaseImpl.java	
	M core/core/src/main/java/androidx/core/graphics/WeightTypefaceApi21.java M compose/ui/ui/src/androidAndroidTest/kotlin/androidx/compose/ui/AccessibilityIteratorsTest.kt	
	M core/core/src/main/java/androidx/core/graphics/TypefaceCompatApi21Impl.java	
	M core/core/src/main/java/androidx/core/graphics/TypefaceCompatApi24Impl.java M compose/ui/ui/src/androidAndroidTest/kotlin/androidx/compose/ui/input/CursorAnchorInfoBuilderTest.kt	
	M core/core/src/main/java/androidx/core/graphics/TypefaceCompatApi26Impl.java	
	M compose/ui/ui/src/androidAndroidTest/kotlin/androidx/compose/ui/platform/AndroidFontResourceLoaderTest.kt M core/core/src/main/java/androidx/core/graphics/WeightTypefaceApi26.java	
	https://android-review.googlesource.com/2060168	
	ap@google.com <ap@google.com>_<u>#7</u></ap@google.com>	Jul 2, 2022 07:24AM

Project: platform/frameworks/support

Branch: androidx-main

commit 1f602ac9318d4c7368a64af93a5c53f88b795628

Author: Sean McQuillan < seanmcq@google.com>

Date: Wed Jun 29 12:38:11 2022

Move ui-test-font to testutils-fonts

This allows the test fonts to be used by both Compose and non-compose androidx modules.

Update TypefaceCompat.create tests to use new fonts.

Bug: <u>b/145311058</u> Test: ./gradlew cAT test

Change-Id: lef0d672c9571a13e5471ed03e1f35fb00cc5347f

- A testutils/testutils-fonts/src/commonMain/java/androidx/testutils/WeightStyleFont.kt
- M compose/ui/ui-text/build.gradle
- A testutils/testutils-fonts/build.gradle
- D compose/ui/ui-test-font/api/1.1.0-beta05.txt
- M testutils/testutils-fonts/src/commonMain/resources/font/kern_font.ttf
- M testutils/testutils-fonts/src/font_ttx/test_400_italic.ttx
- M testutils/testutils-fonts/src/font_ttx/test_800_italic.ttx
- D compose/ui/ui-test-font/api/res-1.0.0-beta07.txt
- D compose/ui/ui-test-font/build.gradle
- D compose/ui/ui-test-font/api/res-1.1.0-beta03.txt
- $M \\ \qquad text/text/src/androidTest/java/androidx/compose/ui/text/android/LayoutGetHorizontalMultiLineTest.kt \\$
- D compose/ui/ui-test-font/api/public_plus_experimental_1.2.0-beta02.txt
- M testutils/testutils-fonts/src/commonMain/resources/font/test_800_regular.ttf
- D compose/ui/ui-test-font/api/1.0.0-beta02.txt
- M testutils/testutils-fonts/src/commonMain/resources/font/test_700_italic.ttf
- D compose/ui/ui-test-font/api/public_plus_experimental_1.0.0-beta05.txt
- D compose/ui/ui-test-font/api/restricted_1.0.0-beta09.txt
- M testutils/testutils-fonts/src/font_ttx/test_400_regular.ttx
- M testutils/testutils-fonts/src/font_ttx/test_200_regular.ttx
- D compose/ui/ui-test-font/api/restricted_1.0.0-beta05.txt
- D compose/ui/ui-test-font/api/restricted_1.1.0-beta05.txt
- M testutils/testutils-fonts/src/font_ttx/test_900_regular.ttx
- D compose/ui/ui-test-font/api/res-1.2.0-beta04.txt
- $M \qquad testutils/testutils-fonts/src/commonMain/resources/font/test_300_regular.ttf$
- $M \\ compose/ui/ui/src/androidAndroidTest/kotlin/androidx/compose/ui/input/CursorAnchorInfoBuilderTest.kt \\$
- D compose/ui/ui-test-font/api/res-1.1.0-beta05.txt
- D compose/ui/ui-test-font/api/res-1.0.0-beta05.txt
- D compose/ui/ui-test-font/api/res-1.0.0-beta03.txt
- M compose/ui/ui/build.gradle
- D compose/ui/ui-test-font/api/public_plus_experimental_1.0.0-beta07.txt
- $M \\ \\ text/text/src/androidTest/java/androidx/compose/ui/text/android/LayoutIntrinsicsTest.kt \\$
- D compose/ui/ui-test-font/api/1.0.0-beta09.txt
- D compose/ui/ui-test-font/api/restricted_1.2.0-beta04.txt
- M text/text/src/androidTest/java/androidx/compose/ui/text/android/animation/SegmentBreakerBreakSegmentTest.kt
- D compose/ui/ui-test-font/api/1.2.0-beta01.txt
- D compose/ui/ui-test-font/api/restricted_1.1.0-beta03.txt
- D compose/ui/ui-test-font/api/restricted_1.0.0-beta03.txt
- $M \\ compose/ui/ui-text/src/androidAndroidTest/kotlin/androidx/compose/ui/text/FontTestData.kt \\$
- D compose/ui/ui-test-font/api/res-1.2.0-beta02.txt
- M testutils/testutils-fonts/src/font_ttx/tall_font.ttx
- D compose/ui/ui-test-font/api/public_plus_experimental_1.0.0-beta08.txt
- D compose/ui/ui-test-font/api/public_plus_experimental_1.1.0-beta04.txt
- $D \qquad compose/ui/ui-test-font/api/restricted_1.2.0-beta02.txt \\$
- D compose/ui/ui-test-font/api/restricted_1.0.0-beta02.txt
- D compose/ui/ui-test-font/api/1.0.0-beta06.txt
- D compose/ui/ui-test-font/api/public_plus_experimental_1.1.0-beta02.txt
- M testutils/testutils-fonts/src/commonMain/resources/font/test_600_italic.ttf
- M testutils/testutils-fonts/src/commonMain/resources/font/test_800_italic.ttf
- D compose/ui/ui-test-font/api/res-1.0.0-beta02.txt
- M testutils-fonts/src/commonMain/resources/font/test_100_regular.ttf
- D compose/ui/ui-test-font/api/res-current.txt
- $M \\ \\ compose/foundation/foundation/src/androidAndroidTest/kotlin/androidx/compose/foundation/text/TextTestExtensions.kt \\ \\ \\ compose/foundation/text/TextTestExtensions.kt \\ \\ compose/foundation/foundation/src/androidAndroidTest/kotlin/androidx/compose/foundation/text/TextTestExtensions.kt \\ \\ compose/foundation/foundation/src/androidAndroidTest/kotlin/androidx/compose/foundation/text/TextTestExtensions.kt \\ \\ compose/foundation/foundation/src/androidAndroidTest/kotlin/androidx/compose/foundation/text/TextTestExtensions.kt \\ \\ compose/foundation/foundation/src/androidAndroidTest/kotlin/androidx/compose/foundation/text/TextTestExtensions.kt \\ \\ compose/foundation/foundation/src/androidXest/foundation/fou$
- D compose/ui/ui-test-font/api/res-1.0.0-beta09.txt
- D compose/ui/ui-test-font/api/1.1.0-beta03.txt
- $M \qquad testutils/testutils-fonts/src/commonMain/resources/font/test_400_italic.ttf$
- M testutils/testutils-fonts/src/commonMain/resources/font/test_200_italic.ttf
- D compose/ui/ui-test-font/api/1.0.0-beta10.txt
- D compose/ui/ui-test-font/api/1.2.0-beta04.txt
- D compose/ui/ui-test-font/api/1.0.0-beta04.txt
- $M \qquad testutils/testutils-fonts/src/font_ttx/kern_font.ttx \\$
- D compose/ui/ui-test-font/api/current.txt
- ${\tt D} \quad {\tt compose/ui/ui-test-font/api/public_plus_experimental_1.0.0-beta03.txt}$
- D compose/ui/ui-test-font/api/restricted_1.0.0-beta07.txt
- $M \qquad testutils/testutils-fonts/src/font_ttx/sample_font.ttx$
- $M \qquad testutils/testutils-fonts/src/font_ttx/test_200_italic.ttx$
- $M \qquad testutils/testutils-fonts/src/font_ttx/test_300_regular.ttx$
- M testutils/testutils-fonts/src/commonMain/resources/font/test_900_regular.ttf
 M text/text/src/androidTest/java/androidx/compose/ui/text/android/PaintBoundsTest.kt
- M testutils/testutils-fonts/src/commonMain/resources/font/test 400 regular.ttf

```
text/text/src/androidTest/java/androidx/compose/ui/text/android/TextLayoutFillBoundingBoxesTest.kt \\
Μ
     testutils/testutils-fonts/src/font_ttx/asset_font.ttx
     compose/ui/ui-test-font/api/public_plus_experimental_1.2.0-beta03.txt
D
D
     compose/ui/ui-test-font/api/restricted_1.0.0-beta08.txt
     testutils/testutils-fonts/src/font_ttx/test_600_italic.ttx
М
     text/text/src/androidTest/java/androidx/compose/ui/text/android/TextLayoutTest.kt
D
     compose/ui/ui-test-font/api/public_plus_experimental_1.0.0-beta04.txt
Μ
     testutils/testutils-fonts/src/font_ttx/test_800_regular.ttx
     compose/ui/ui-test-font/api/restricted_1.1.0-beta02.txt
     compose/ui/ui-test-font/api/restricted_1.0.0-beta06.txt
D
D
     compose/ui/ui-test-font/api/public_plus_experimental_1.0.0-beta02.txt
М
     compose/ui/ui-inspection/src/androidTest/java/androidx/compose/ui/inspection/inspector/LayoutInspectorTreeTest.kt \\
Μ
     text/text/src/androidTest/java/androidx/compose/ui/text/android/LayoutGetHorizontalTest.kt
D
     compose/ui/ui-test-font/api/public_plus_experimental_1.0.0-beta10.txt
     compose/ui/ui-test-font/api/res-1.1.0-beta02.txt
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     compose/ui/ui-test-font/api/res-1.0.0-beta06.txt
D
     compose/ui/ui-test-font/api/public_plus_experimental_current.txt
М
     testutils/testutils-fonts/src/commonMain/resources/font/tall_font.ttf
D
     compose/ui/ui-test-font/api/res-1.1.0-beta04.txt
     testutils/testutils-fonts/src/commonMain/resources/font/test_900_italic.ttf
М
D
     compose/ui/ui-test-font/api/public_plus_experimental_1.0.0-beta06.txt
D
     compose/ui/ui-test-font/api/public\_plus\_experimental\_1.2.0-beta01.txt
М
     core/core/build.gradle
D
     compose/ui/ui-test-font/api/1.0.0-beta08.txt
D
     compose/ui/ui-test-font/api/1.2.0-beta02.txt
     compose/ui/ui-test-font/api/restricted_1.1.0-beta04.txt
     compose/ui/ui-test-font/api/restricted_1.0.0-beta04.txt
D
М
     testutils/testutils-fonts/OWNERS
М
     testutils/testutils-fonts/src/commonMain/resources/font/sample_font.ttf
М
     text/text/src/androidTest/java/androidx/compose/ui/text/android/FontPaddingTest.kt
М
     compose/foundation/foundation/build.gradle
М
     testutils/testutils-fonts/src/font_ttx/test_500_regular.ttx
     testutils/testutils-fonts/src/commonMain/resources/font/test_700_regular.ttf
М
     testutils/testutils-fonts/src/font_ttx/test_100_regular.ttx
     compose/ui/ui/src/androidAndroidTest/kotlin/androidx/compose/ui/AccessibilityIteratorsTest.kt
М
     compose/ui/ui-test-font/api/restricted_1.2.0-beta03.txt
М
     text/text/src/androidTest/java/androidx/compose/ui/text/android/TextLayoutIntrinsicWidthTest.kt
М
     testutils/testutils-fonts/src/commonMain/resources/font/test_200_regular.ttf
М
     compose/ui/ui/src/androidAndroidTest/kotlin/androidx/compose/ui/platform/AndroidFontResourceLoaderTest.kt
D
     compose/ui/ui-test-font/api/res-1.0.0-beta04.txt
М
     testutils/testutils-fonts/src/font_ttx/test_100_italic.ttx
     text/text/build.gradle
М
     testutils/testutils-fonts/src/androidMain/assets/subdirectory/asset_font.ttf
D
     compose/ui/ui-test-font/api/restricted_current.txt
     testutils/testutils-fonts/src/commonMain/resources/font/sample_font2.ttf
М
     text/text/src/androidTest/java/androidx/compose/ui/text/android/TextLayoutSpanTest.kt
     core/core/src/androidTest/res/font/weighttestfont.xml
М
D
     compose/ui/ui-test-font/api/public_plus_experimental_1.1.0-beta03.txt
     testutils/testutils-fonts/src/font_ttx/test_500_italic.ttx
М
D
     compose/ui/ui-test-font/api/res-1.0.0-beta10.txt
D
     compose/ui/ui-test-font/api/1.0.0-beta05.txt
     testutils/testutils-fonts/src/font_ttx/test_700_italic.ttx
М
     testutils/testutils-fonts/src/font_ttx/test_900_italic.ttx
D
     compose/ui/ui-test-font/api/res-1.2.0-beta01.txt
D
     compose/ui/ui-test-font/api/res-1.2.0-beta03.txt
     compose/foundation/foundation/src/androidAndroidTest/kotlin/androidx/compose/foundation/textfield/TextFieldTest.kt
М
     core/core/src/and roid Test/java/and roid x/core/graphics/Type face Compat Test. java
М
     testutils/testutils-fonts/src/font_ttx/test_600_regular.ttx
М
М
     testutils/testutils-fonts/src/commonMain/resources/font/test_600_regular.ttf
D
     compose/ui/ui-test-font/api/1.1.0-beta02.txt
D
     compose/ui/ui-test-font/api/public_plus_experimental_1.0.0-beta09.txt
D
     compose/ui/ui-test-font/api/restricted_1.0.0-beta10.txt
     compose/ui/ui-test-font/api/public_plus_experimental_1.1.0-beta05.txt
D
     compose/ui/ui-test-font/api/1.0.0-beta07.txt
D
     compose/ui/ui-test-font/api/restricted_1.2.0-beta01.txt
     text/text/src/androidTest/java/androidx/compose/ui/text/android/SegmentBreakerTest.kt
М
М
     testutils/testutils-fonts/src/androidMain/AndroidManifest.xml
     compose/ui/ui-test-font/api/1.2.0-beta03.txt
     settings.gradle
М
D
     compose/ui/ui-test-font/api/1.0.0-beta03.txt
     testutils/testutils-fonts/src/commonMain/resources/font/test_500_italic.ttf
М
М
     testutils/testutils-fonts/src/common Main/resources/font/test\_500\_regular.ttf
     testutils/testutils-fonts/src/font_ttx/test_700_regular.ttx
     testutils/testutils-fonts/src/commonMain/resources/font/test_300_italic.ttf
М
     compose/ui/ui-test-font/api/1.1.0-beta04.txt
D
     text/text/src/androidTest/java/androidx/compose/ui/text/android/StaticLayoutFactoryTest.kt
М
М
     testutils/testutils-fonts/src/commonMain/resources/font/test_100_italic.ttf
М
     testutils/testutils-fonts/src/commonMain/resources/font/invalid_font.ttf
М
     docs-tip-of-tree/build.gradle
     compose/ui/ui-test-font/api/public_plus_experimental_1.2.0-beta04.txt
М
     compose/ui/ui-inspection/build.gradle
     compose/ui/ui-test-font/api/res-1.0.0-beta08.txt
     testutils/testutils-fonts/src/font_ttx/test_300_italic.ttx
```

https://android-review.googlesource.com/2057107

Project: platform/frameworks/support

Branch: androidx-main

 $commit\ 76a0566121b58e1d9722352ac1e70e35dd1098fe$

Author: Sean McQuillan < seanmcq@google.com >

Date: Tue Mar 29 15:07:23 2022

TypefaceCompat create falls back to Typeface.create

On API 14-20 fall back to platform Typeface.create if compat impl cannot

resolve.

Also remove extra logging from TypefaceCompat.create path.

Test: ./gradlew :core;core:cAT

Bug: b/145311058

Relnote: "TypefaceCompate.create(..., weight, italic) will fallback to platform Typeface.create when compat impl cannot resolve on API 14-20"

Change-Id: I1ee34c7e38fc36174151d88d363adaee4371cb51

- ${\sf M} \qquad {\sf core/core/src/main/java/androidx/core/graphics/TypefaceCompatBaseImpl.java}$
- ${\sf M} \qquad {\sf core/core/src/androidTest/java/androidx/core/graphics/TypefaceCompatTest.java}$
- M core/core/src/main/java/androidx/core/graphics/WeightTypefaceApi21.java
- M core/core/src/main/java/androidx/core/graphics/TypefaceCompat.java
- $M \qquad core/core/src/main/java/androidx/core/graphics/WeightTypefaceApi26.java$
- M core/core/src/main/java/androidx/core/graphics/WeightTypefaceApi14.java

https://android-review.googlesource.com/2048027

ap...@google.com <ap...@google.com><u>#9</u>

Jul 2. 2022 07:24AM

Project: platform/frameworks/support

Branch: androidx-main

 $commit\ 553679730518b7cf295642500603b4adb90191d3$ Author: Eugen Pechanec < $\underline{e.pechanec} \\ \underline{@gmail.com} >$

Date: Sun Mar 28 13:56:43 2021

Backport Typeface.create(Typeface, int weight, boolean italic)

API 28+ uses public API.

API 26-27 uses existing private JNI method.

API 21-25 does this in two steps, first create Typeface with matching italics, then adjust weight, both using existing private JNI methods.

API < 19 leverages the fact that the only place a Typeface family with multiple weights could come from is TypefaceCompat.

All implementations use a small cache that mimics the one on API 28. Fallback to API < 19 implementation, if new private API isn't available, or return unaltered input, if that fails.

Typeface#isBold works on API 26+ (same as public API) so that any font with *requested* weight 600+ is bold. This is not possible to mimic on API 21+ without diverging from intended font weight resolution path. On API < 21 (loading font from temp file) setting style is impossible.

Relnote: Backported `Typeface#create(Typeface, int, boolean)` which allows creating typeface with specific weight from a font family Test: Run TypefaceCompatTest#testTypeFaceCompatCreateWithExactStyle

BUG: 145311058

Change-Id: I342dc928edd1e8e5dbc018ca5375cceb047425e5

- ${\sf M} \qquad {\sf core/core/src/main/java/androidx/core/graphics/TypefaceCompatBaseImpl.java}$
- core/core/src/androidTest/res/font/weighttestfont.xml
- M core/core/api/public_plus_experimental_current.txt
- ${\sf M} \qquad {\sf core/core/src/main/java/androidx/core/graphics/TypefaceCompatApi24Impl.java}$
- M core/core/api/current.txt
- $A \qquad core/core/src/main/java/androidx/core/graphics/WeightTypefaceApi26.java$
- M core/core/api/restricted_current.txt
- M core/core/src/androidTest/java/androidx/core/graphics/TypefaceCompatTest.java
- ${\tt A} \qquad {\tt core/core/src/main/java/androidx/core/graphics/WeightTypefaceApi21.java}$
- $M \qquad core/core/src/main/java/androidx/core/graphics/Type face Compat Api 28 Impl. java and a core/core/src/main/java/androidx/core/graphics/Type face Compat Api 28 Impl. java and a core/core/src/main/java/androidx/core/graphics/Type face Compat Api 28 Impl. java and a core/core/src/main/java/androidx/core/graphics/Type face Compat Api 28 Impl. java and a core/core/src/main/java/androidx/core/graphics/Type face Compat Api 28 Impl. java and a core/core/src/main/java/androidx/core/graphics/Type face Compat Api 28 Impl. java and a core/core/src/main/java/androidx/core/graphics/Type face Compat Api 28 Impl. java and a core/core/src/main/java/androidx/core/graphics/Type face Compat Api 28 Impl. java and a core/core/src/main/java/androidx/core/graphics/Type face Compat Api 28 Impl. java and a core/core/src/main/java/androidx/core/src/ma$
- $M \qquad core/core/src/main/java/androidx/core/graphics/Type face Compat Api 21 Impl. java$
- ${\sf M} \qquad {\sf core/core/src/main/java/androidx/core/graphics/TypefaceCompat.java}$
- M core/core/src/main/java/androidx/core/graphics/TypefaceCompatApi26Impl.java
- ${\tt M} \qquad {\tt core/core/src/main/java/androidx/core/graphics/TypefaceCompatApi29Impl.java}$
- A core/core/src/main/java/androidx/core/graphics/WeightTypefaceApi14.java



Sep 7, 2023 09:56PM

This can be closed now