

# Converting Colors

Android(4280511123)

Have a look what the booklet for  
Android(4280511123) contains.

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# Color

**Android(4280511123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	236A93
RGB	35, 106, 147
RGB Percent	14%, 42%, 58%
CMY	0.8627, 0.5843, 0.4235
CMYK	0.76, 0.28, 0.00, 0.42
HSL	202°, 62%, 36%
HSV	202°, 76%, 58%
XYZ	11.1136, 12.7720, 29.4832
YIQ	89.4450, -55.4770, -2.3010

# Conversions

## Conversions Part 2

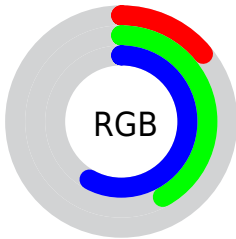
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 78, 147
Decimal	2321043
CIELab	42.42, -7.30, -28.67
CIElCh	42, 29.585, 255.711
Yxy	12.7720, 0.2082, 0.2393
Android (android.graphics.Color)	4280511123 (0xFF236A93)
YUV	89.4450, 28.3746, -47.7483
Hunter-Lab	35.7379, -7.0321, -23.8969

# Details

The Android color `4280511123` is a dark color, and the websafe version is hex `006699`. A complement of this color would be `4287843363`, and the grayscale version is `4284045657`.

A 20% lighter version of the original color is `4284521929`, and `4278205280` is the 20% darker color. If you saturate the color by 10%, you get `4279526803`, and if you desaturate by 10%, it is `4281495443`.

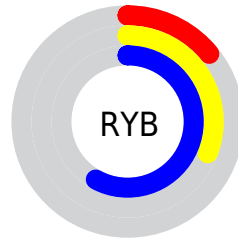
# Distribution



Red (14%)

Green (42%)

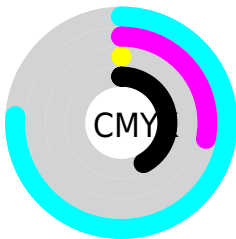
Blue (58%)



Red (14%)

Yellow (31%)

Blue (58%)

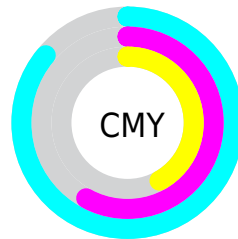


Cyan (76%)

Magenta (28%)

Yellow (0%)

Black (42%)



Cyan (86%)

Magenta (58%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4280511123 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Android color 4280511123 by changing the saturation by 10% instead.



 4280511123

 4280511123

4294967295

 4278211193

 4284521929

 4278205280

 4286363877

 4278199880

 4288271615

 4278194481

 4290113791

 4278190364

 4292018175

 4278190080

 4293984255

 4280511123

 4280511123

 4279526803

 4281495443

■ 4278607763

■ 4282414483

■ 4278214035

■ 4283398803

■ 4284383379

■ 4285367699

■ 4286286483

■ 4287271059

■ 4288255379

■ 4289174163

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



4278218630



4280511123



4283720339

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



4280511123



4287844696



4283133249

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



4280511123



4287843363

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



4284966708



4280511123



4287452738

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



4280511123



4287386225



4286471989



4280905815

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



4280511123



4285357196



4286471989



4283788091



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



4280511123



4287868863



4280521546



4282799969



4292927712



4284572001



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



4280511123



4279337151



4280497299



4282599242



4278212490



4278191626



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4287832938



4290711936



4287857187



4283056967



4287234135



4278845446



# Previews

## White Background



This preview shows how the Android color 4280511123 looks on a white background.

## Color Contrast Check

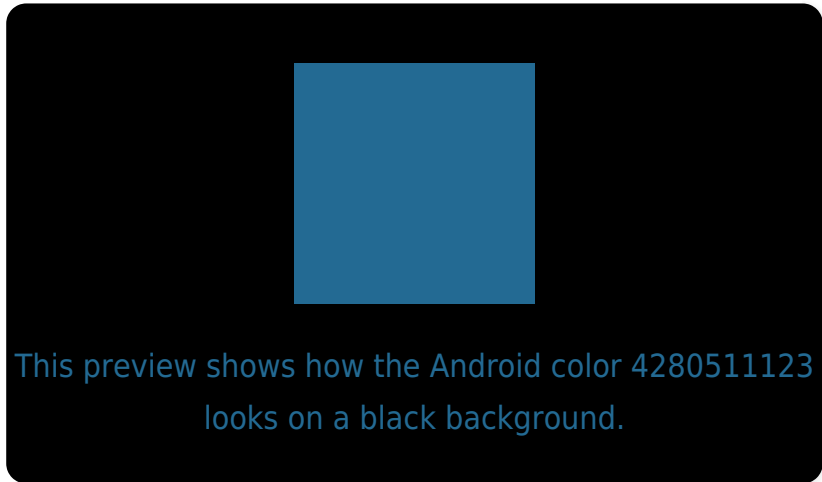
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



# Android 4280511123 Background



This preview shows how black text looks on a background with the Android color 4280511123.



This preview shows how white text looks on a background with the Android color 4280511123.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**

4280511123

**Protanopia**

4283851405

**Deuteranopia**

4283327381



# Trichromacy



**Original Color**  
4280511123

**Protanomaly**  
4282606991

**Deuteranomaly**  
4282279572

**Tritanomaly**  
4279070082

# Monochromacy



**Original Color**  
4280511123

**Achromatopsia**  
4284045657

**Achromatomaly**  
4282736494

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4280511123 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(35, 106, 147)` looks like.

```
.text, #text, p{  
    color:rgb(35, 106, 147)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(35, 106, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 106, 147) }
```

## Border

The CSS property to change the border of an element to Android 4280511123 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(35, 106, 147) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(35, 106, 147) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(35, 106, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(35, 106, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(35, 106, 147); box-shadow:4px 4px 4px 4px rgb(35, 106, 147) }
```

# Background

The CSS property to change the background color of an element to Android 4280511123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 106, 147) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(35, 106,  
147) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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