

# Converting Colors

Android(4281150002)

Have a look what the booklet for  
Android(4281150002) contains.

<b>Android(4281150002)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Android(4281150002)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D2A32
RGB	45, 42, 50
RGB Percent	18%, 16%, 20%
CMY	0.8235, 0.8353, 0.8039
CMYK	0.10, 0.16, 0.00, 0.80
HSL	262°, 9%, 18%
HSV	262°, 16%, 20%
XYZ	2.4859, 2.4441, 3.3584
YIQ	43.8090, -0.7800, 3.1240

# Conversions

## Conversions Part 2

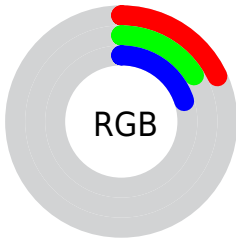
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 42, 50
Decimal	2959922
CIE Lab	17.66, 3.31, -4.68
CIE LCh	18, 5.735, 305.299
Yxy	2.4441, 0.2999, 0.2949
Android (android.graphics.Color)	4281150002 (0xFF2D2A32)
YUV	43.8090, 3.0522, 1.0445
Hunter-Lab	15.6336, 1.0241, -1.7929

# Details

The Android color **4281150002** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **4281283114**, and the grayscale version is **4281084972**.

A 20% lighter version of the original color is **4284176224**, and **4278190082** is the 20% darker color. If you saturate the color by 10%, you get **4280952114**, and if you desaturate by 10%, it is **4281347890**.

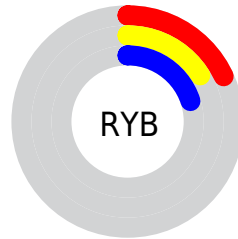
# Distribution



Red (18%)

Green (16%)

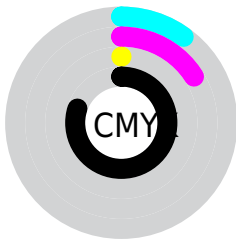
Blue (20%)



Red (18%)

Yellow (16%)

Blue (20%)

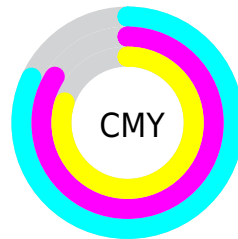


Cyan (10%)

Magenta (16%)

Yellow (0%)

Black (80%)



Cyan (82%)

Magenta (84%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4281150002 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 4281150002 by changing the saturation by 10% instead.





4281150002



4281150002

4294967295



4279768605



4284176224



4278190082



4285755513



4278190080



4287465875



4289176493



4290952905



4292795109



4294703103



4281150002



4281150002

■ 4280952114

■ 4281347890

■ 4280754226

■ 4281545778

■ 4280556338

■ 4281743666

■ 4280358450

■ 4282007090

■ 4280095026

■ 4282204978

■ 4279897138

■ 4282402866

■ 4279699250

■ 4282600754

■ 4279501362

■ 4282798642

■ 4279435314

■ 4282996530

# Harmonies

## Analogous

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



4280822579



4281150002



4281411887

# Triad

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



4281150002



4281477668



4280364588

# Complementary

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



4281150002



4281283114

# 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.



4280626472



4281150002



4281215779

# Square

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



4281150002



4281608487



4280888357



4280364336

# Rectangle

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



4281150002



4281542956



4280888357



4280430122



# Sweetspot

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



4281150002



4282268992



4280954674



4280295201



4288782753



4280361249



# Same Dimension

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



4281150002



4281873472



4281412146



4279768858



4280352857



4283498713



# Inverse Universe

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



4281477679



4282397755



4281020970



4279899929



4284022840



4292411527



# Previews

## White Background



This preview shows how the Android color 4281150002 looks on a white background.

## Color Contrast Check

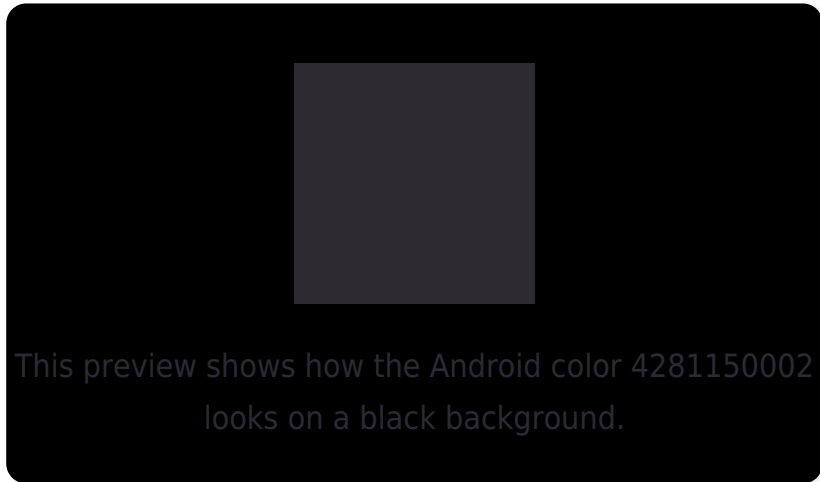
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

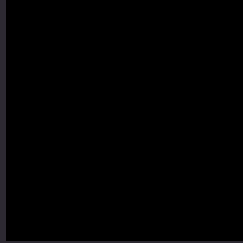
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



# Android 4281150002 Background



This preview shows how black text looks on a background with the Android color 4281150002.



This preview shows how white text looks on a background with the Android color 4281150002.

# 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](#).

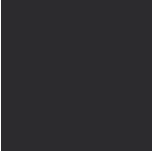
## Dichromacy



**Original Color**  
4281150002

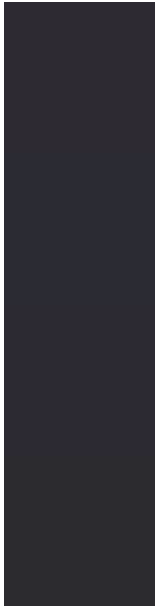
**Protanopia**  
4280953651

**Deuteranopia**  
4281084466



**Tritanopia**  
4281084718

# Trichromacy



**Original Color**

4281150002

**Protanomaly**

4281019187

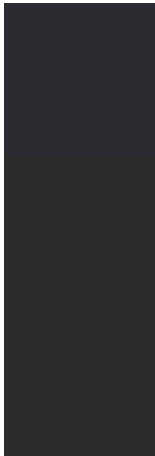
**Deuteranomaly**

4281084466

**Tritanomaly**

4281084719

# Monochromacy



**Original Color**

4281150002

**Achromatopsia**

4281084972

**Achromatomaly**

4281084718

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4281150002 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(45, 42, 50)` looks like.

```
.text, #text, p{  
    color:rgb(45, 42, 50)  
}
```

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(45, 42, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 42, 50) }
```

## Border

The CSS property to change the border of an element to Android 4281150002 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(45, 42, 50) }
```

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

```
.border{ border-color:rgb(45, 42, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 42, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 42, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 42, 50);  
box-shadow:4px 4px 4px 4px rgb(45, 42, 50)  
}
```

# Background

The CSS property to change the background color of an element to Android 4281150002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 42, 50) }
```

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

```
.background{ background-color: rgb(45, 42,  
50) }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor