

# Converting Colors

Decimal(2301231)

Have a look what the booklet for  
Decimal(2301231) contains.

<b>Decimal(2301231)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Decimal(2301231)**

# Conversions

## Conversions Part 1

Format	Color
Hex	231D2F
RGB	35, 29, 47
RGB Percent	14%, 11%, 18%
CMY	0.8627, 0.8863, 0.8157
CMYK	0.26, 0.38, 0.00, 0.82
HSL	260°, 24%, 15%
HSV	260°, 38%, 18%
XYZ	1.6456, 1.4413, 2.8808
YIQ	32.8460, -2.2020, 6.8700

# Conversions

## Conversions Part 2

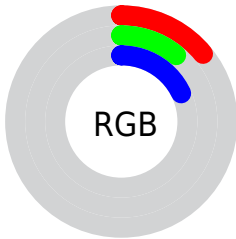
Format	Color
<a href="#">RYB</a>	<a href="#">35, 29, 47</a>
Decimal	<a href="#">2301231</a>
CIELab	<a href="#">12.23, 7.67, -10.92</a>
CIElCh	<a href="#">12, 13.347, 305.072</a>
Yxy	<a href="#">1.4413, 0.2758, 0.2415</a>
Android (android.graphics.Color)	<a href="#">4280491311 (0xFF231D2F)</a>
YUV	<a href="#">32.8460, 6.9779, 1.8891</a>
Hunter-Lab	<a href="#">12.0054, 3.4578, -5.8234</a>

# Details

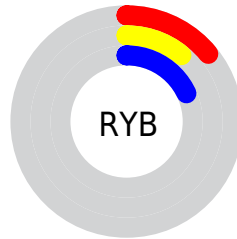
The Decimal color **2301231** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2699037**, and the grayscale version is **2171169**.

A 20% lighter version of the original color is **5261661**, and **0** is the 20% darker color. If you saturate the color by 10%, you get **2103343**, and if you desaturate by 10%, it is **2499119**.

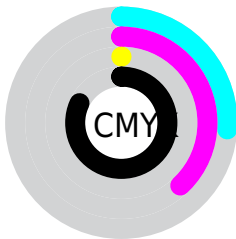
# Distribution



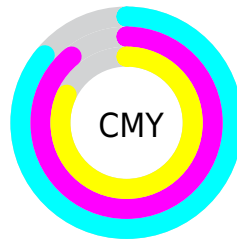
- Red (14%)
- Green (11%)
- Blue (18%)



- Red (14%)
- Yellow (11%)
- Blue (18%)



- Cyan (26%)
- Magenta (38%)
- Yellow (0%)
- Black (82%)



- Cyan (86%)
- Magenta (89%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 2301231 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 Decimal color 2301231 by changing the saturation by 10% instead.



■ 2301231

■ 2301231

16777215

■ 983835

■ 5261661

■ 0

■ 6840438

■ 8485263

■ 10195882

■ 11972037

■ 13814241

■ 15656446

■ 2301231

■ 2301231

■ 2103343

■ 2499119

■ 1905711

■ 2696751

■ 1707823

■ 2894639

■ 1444399

■ 3158063

■ 1246767

■ 3355951

■ 1048879

■ 3553583

■ 1048623

■ 3751471

■ 3949359

■ 4146991

# Harmonies

## Analogous

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



1384498



2301231



2955816

# Triad

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



2301231



2891022



206113

# Complementary

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



2301231



2699037

# 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.



992280



2301231



2433036

# Square

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



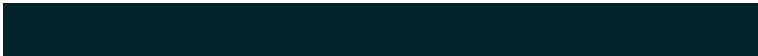
2301231



3217942



1778448



9258

# Rectangle

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



2301231



3152162



1778448



402718



# Sweetspot

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



2301231



3749437



1911087



1841951



10395294



2039583



# Same Dimension

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



2301231



2761021



2891055



1381655



1900631



4653270



# Inverse Universe

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



3087657



4006196



2109213



1512726



5701690



14024847



# Previews

## White Background



This preview shows how the Decimal color 2301231 looks on a white background.

## Color Contrast Check

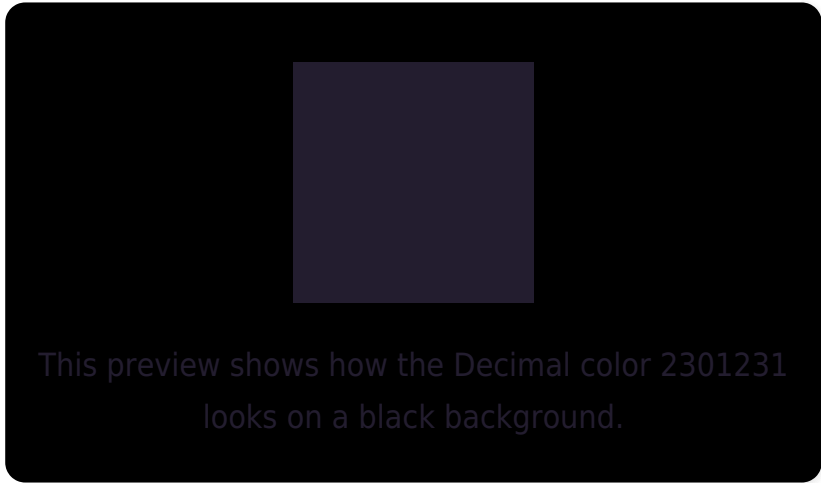
Large Text (above 18pt) WCAG AA ✓ Pass

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

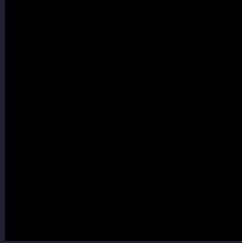
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 2301231 Background



This preview shows how black text looks on a background with the Decimal color 2301231.



This preview shows how white text looks on a background with the Decimal color 2301231.

# 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**  
2301231

**Protanopia**  
1712177

**Deuteranopia**  
1712174



**Tritanopia**  
2170914

# Trichromacy



**Original Color**

2301231

**Protanomaly**

1908528

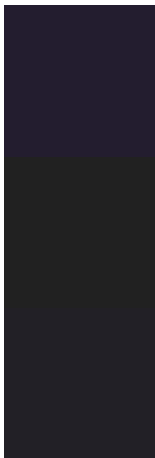
**Deuteranomaly**

1908526

**Tritanomaly**

2236199

# Monochromacy



**Original Color**

2301231

**Achromatopsia**

2171169

**Achromatomaly**

2236454

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 2301231 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 #231D2F looks like.

```
.text, #text, p{  
    color:#231D2F  
}
```

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 #231D2F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231D2F
}
```

## Border

The CSS property to change the border of an element to Decimal 2301231 is called "border". The border property can be set on classes, ids or directly on the HTML element.

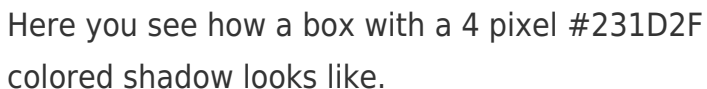
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#231D2F }
```

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

```
.border{ border-color:#231D2F }
```

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



Here you see how a box with a 4 pixel #231D2F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231D2F; -webkit-box-shadow:4px 4px  
4px 4px #231D2F; box-shadow:4px 4px 4px  
4px #231D2F }
```

# Background

The CSS property to change the background color of an element to Decimal 2301231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231D2F }
```

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

```
.background{ background-color:#231D2F }
```

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