

# Converting Colors

Hex(D31648)

Have a look what the booklet for  
Hex(D31648) contains.

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# Color

**Hex(D31648)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D31648
RGB	211, 22, 72
RGB Percent	83%, 9%, 28%
CMY	0.1725, 0.9137, 0.7176
CMYK	0.00, 0.90, 0.66, 0.17
HSL	344°, 81%, 46%
HSV	344°, 90%, 83%
XYZ	28.3206, 14.8906, 7.5124
YIQ	84.2110, 96.5940, 55.6180

# Conversions

## Conversions Part 2

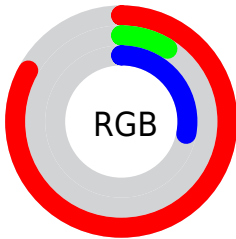
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">211, 22, 72</a>
Decimal	<a href="#">13833800</a>
CIELab	<a href="#">45.48, 68.94, 23.98</a>
CIELCh	<a href="#">45, 72.991, 19.178</a>
Yxy	<a href="#">14.8906, 0.5583, 0.2936</a>
Android (android.graphics.Color)	<a href="#">4292023880 (0xFFD31648)</a>
YUV	<a href="#">84.2110, -6.0200, 111.1940</a>
Hunter-Lab	<a href="#">38.5883, 63.4744, 15.4692</a>

# Details

The Hex color **D31648** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **16D3A1**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **FF5E78**, and **94001D** is the 20% darker color. If you saturate the color by 10%, you get **D30138**, and if you desaturate by 10%, it is **D32B58**.

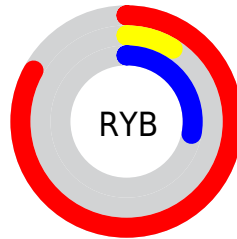
# Distribution



Red (83%)

Green (9%)

Blue (28%)



Red (83%)

Yellow (9%)

Blue (28%)

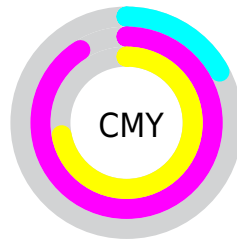


Cyan (0%)

Magenta (90%)

Yellow (66%)

Black (17%)



Cyan (17%)

Magenta (91%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D31648 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 Hex color D31648 by changing the saturation by 10% instead.



 D31648

 D31648

FFFFFF

 B30032

 FF5E78

 94001D

 FF7C92

 750005

 FF99AC

 570002

 FFB6C7

 390002

 FFD4E3

 100000

 FFF2FF

 000000

 D31648

 D31648

 D30138

 D32B58

 D30038

 D34067

 D35577

 D36A86

 D38096

 D395A5

 D3AAB5

 D3BFC4

 D3D4D4

# Harmonies

## Analogous

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



CB1684



D31648



BE4205

# Triad

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



D31648



007F07



007AE5

# Complementary

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



D31648



16D3A1

# 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.



0083C8



D31648



008453

# Square

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



D31648



5E7500



008592



0866E1

# Rectangle

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



D31648



A55800



008592



007EDF



# Sweetspot

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



D31648



FFBACC



A116D3



805761



000000



808080



# Same Dimension

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



D31648



FF0043



D34216



695E61



A8002D



29000B



# Inverse Universe

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



D31648



FF0043



16A7D3



695E61



A8002D



29000B



# Previews

## White Background



This preview shows how the Hex color D31648 looks on a white background.

## Color Contrast Check

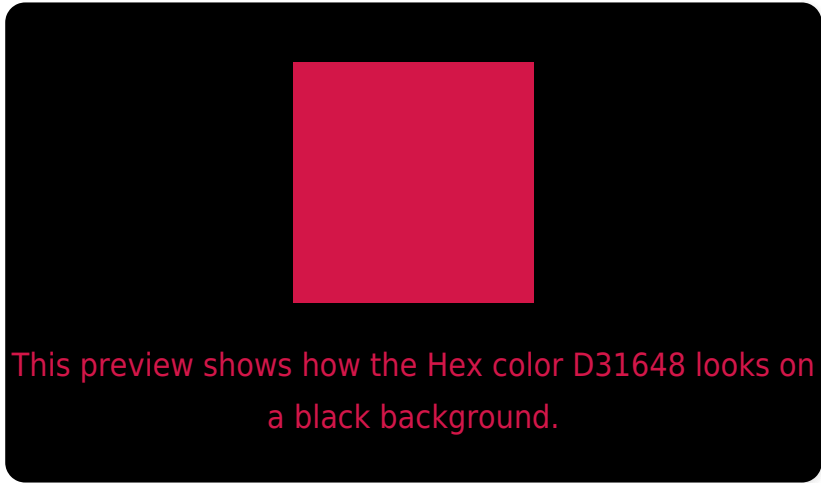
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).



## Hex D31648 Background



This preview shows how black text looks on a background with the Hex color D31648.

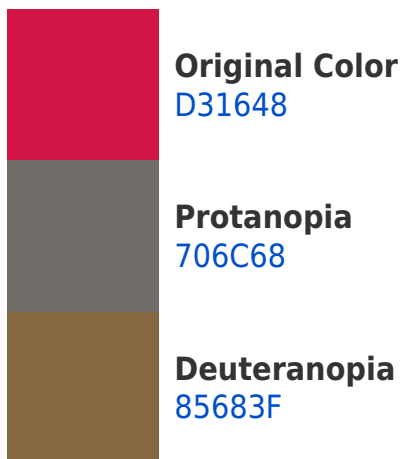



This preview shows how white text looks on a background with the Hex color D31648.

# 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](#).

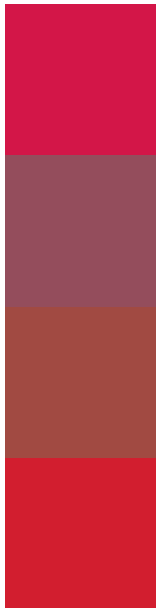
## Dichromacy





**Tritanopia**  
D22321

# Trichromacy



**Original Color**  
D31648

**Protanomaly**  
944D5C

**Deuteranomaly**  
A14A42

**Tritanomaly**  
D21E2F

# Monochromacy



**Original Color**  
D31648

**Achromatopsia**  
545454

**Achromatomaly**  
823D50

# CSS Examples

## Text

The CSS property to change the color of the text to Hex D31648 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 #D31648 looks like.

```
.text, #text, p{  
    color:#D31648  
}
```

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 #D31648 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D31648
}
```

## Border

The CSS property to change the border of an element to Hex D31648 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
#D31648 }
```

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

```
.border{ border-color:#D31648 }
```

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

Here you see how a box with a 4 pixel #D31648 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D31648; -webkit-box-shadow:4px 4px  
4px 4px #D31648; box-shadow:4px 4px 4px  
4px #D31648 }
```

# Background

The CSS property to change the background color of an element to Hex D31648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D31648 }
```

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

```
.background{ background-color:#D31648 }
```

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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