

# Converting Colors

Hex(50D164)

Have a look what the booklet for  
Hex(50D164) contains.

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**Color**

**Hex(50D164)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 50D164                       |
| RGB         | 80, 209, 100                 |
| RGB Percent | 31%, 82%, 39%                |
| CMY         | 0.6863, 0.1804, 0.6078       |
| CMYK        | 0.62, 0.00, 0.52, 0.18       |
| HSL         | 129°, 58%, 57%               |
| HSV         | 129°, 62%, 82%               |
| XYZ         | 28.4090, 48.2265, 19.8679    |
| YIQ         | 158.0030, -41.8950, -61.2470 |

# Conversions

## Conversions Part 2

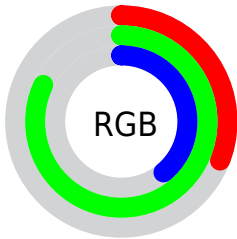
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">80, 192, 209</a>                     |
| Decimal                             | <a href="#">5296484</a>                          |
| CIELab                              | <a href="#">74.97, -57.80, 43.40</a>             |
| CIELCh                              | <a href="#">75, 72.279, 143.096</a>              |
| Yxy                                 | <a href="#">48.2265, 0.2944,<br/>0.4997</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4283486564<br/>(0xFF50D164)</a>      |
| YUV                                 | <a href="#">158.0030, -28.5955,<br/>-68.4086</a> |
| Hunter-Lab                          | <a href="#">69.4453, -48.5077,<br/>31.6492</a>   |

# Details

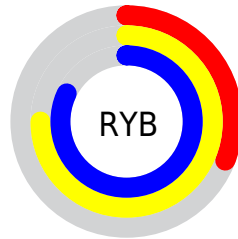
The Hex color **50D164** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **D150BD**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **8DFF99**, and **009931** is the 20% darker color. If you saturate the color by 10%, you get **3BD152**, and if you desaturate by 10%, it is **65D176**.

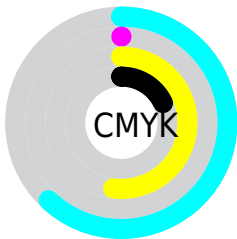
# Distribution



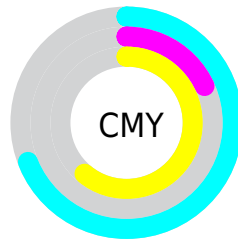
- Red (31%)
- Green (82%)
- Blue (39%)



- Red (31%)
- Yellow (75%)
- Blue (82%)



- Cyan (62%)
- Magenta (0%)
- Yellow (52%)
- Black (18%)



- Cyan (69%)
- Magenta (18%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 50D164 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 50D164 by changing the saturation by 10% instead.



 50D164

 50D164

FFFFFF

 2CB54A


 8DFF99

 009931

 ABFFB4

 007E16

 C9FFD1

 006400

 E7FFED

 004B00

 003400

 001A00

 000000

 50D164

 50D164

 3BD152

 65D176

 26D141

 7AD187

 11D12F

 8FD199

 00D120

 A4D1AB

 B9D1BC

 CDD1CE

 E2D1E0

 F7D1F1

 FFD1FF

# Harmonies

## Analogous

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



A9C42F



50D164



00D7A6

# Triad

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



50D164



00C5FF



FF7D88

# Complementary

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



50D164



D150BD

# 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.



FF7ACB



50D164



9CADFF

# Square

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



50D164



00D3FF



FA90FF



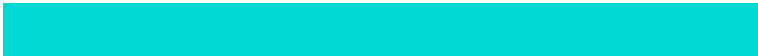
FF954E

# Rectangle

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



50D164



00D8D5



FA90FF



FF799E

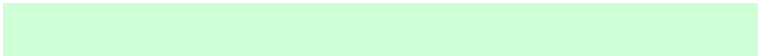


# Sweetspot

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



50D164



CFFFD6



BED150



628067



000000



808080



# Same Dimension

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



50D164



42FF60



50D1A4



5E6960



00A81A



002906



# Inverse Universe

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



D150BD



FF42E2



D1507D



695E67



A8008E



290022



# Previews

## White Background



This preview shows how the Hex color 50D164 looks on a white background.

## Color Contrast Check

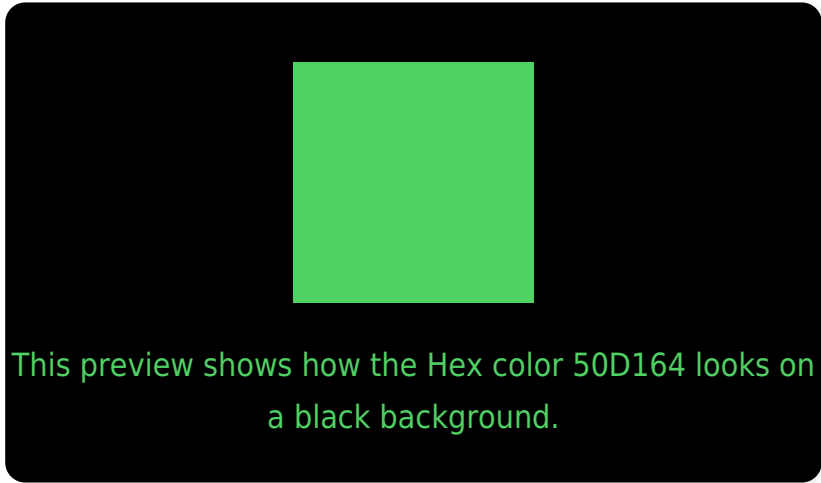
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

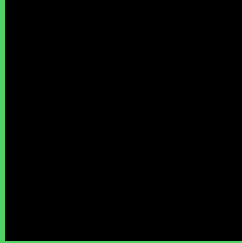
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 50D164 Background



This preview shows how black text looks on a background with the Hex color 50D164.

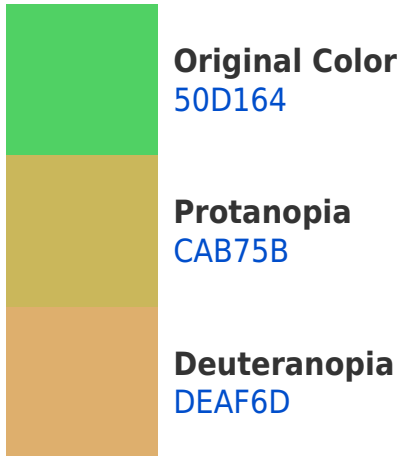


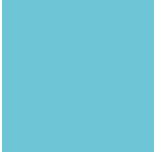
This preview shows how white text looks on a background with the Hex color 50D164.

# 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**  
6EC5D5

# Trichromacy



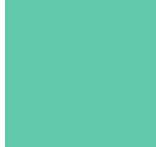
**Original Color**  
50D164



**Protanomaly**  
9EC05E



**Deuteranomaly**  
AABB6A



**Tritanomaly**  
63C9AC

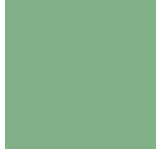
# Monochromacy



**Original Color**  
50D164



**Achromatopsia**  
9E9E9E



**Achromatomaly**  
82B189

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 50D164 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 #50D164 looks like.

```
.text, #text, p{  
    color:#50D164  
}
```

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 #50D164 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #50D164
}
```

## Border

The CSS property to change the border of an element to Hex 50D164 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
#50D164 }
```

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

```
.border{ border-color:#50D164 }
```

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

Here you see how a box with a 4 pixel #50D164 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #50D164; -webkit-box-shadow:4px 4px  
4px 4px #50D164; box-shadow:4px 4px 4px  
4px #50D164 }
```

# Background

The CSS property to change the background color of an element to Hex 50D164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#50D164 }
```

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

```
.background{ background-color:#50D164 }
```

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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