

# Converting Colors

Hex(00CA58)

Have a look what the booklet for  
Hex(00CA58) contains.

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# Color

Hex(00CA58)

# Conversions

## Conversions Part 1

Format	Color
Hex	00CA58
RGB	0, 202, 88
RGB Percent	0%, 79%, 35%
CMY	1.0000, 0.2078, 0.6549
CMYK	1.00, 0.00, 0.56, 0.21
HSL	146°, 100%, 40%
HSV	146°, 100%, 79%
XYZ	22.8820, 42.9456, 16.3159
YIQ	128.6060, -83.7980, -78.2780

# Conversions

## Conversions Part 2

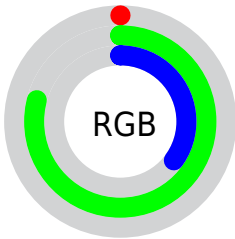
Format	Color
<a href="#">RYB</a>	<a href="#">0, 141, 202</a>
Decimal	<a href="#">51800</a>
CIELab	<a href="#">71.52, -66.19, 44.66</a>
CIELCh	<a href="#">72, 79.849, 145.989</a>
Yxy	<a href="#">42.9456, 0.2786, 0.5228</a>
Android (android.graphics.Color)	<a href="#">4278241880 (0xFF00CA58)</a>
YUV	<a href="#">128.6060, -20.0188, -112.7875</a>
Hunter-Lab	<a href="#">65.5329, -52.3562, 31.1115</a>

# Details

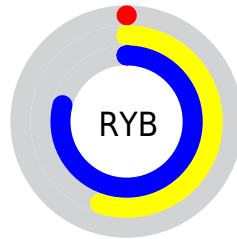
The Hex color **00CA58** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **CA0072**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **66FF8D**, and **009224** is the 20% darker color. If you saturate the color by 10%, you get **00CA58**, and if you desaturate by 10%, it is **14CA63**.

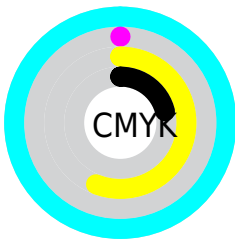
# Distribution



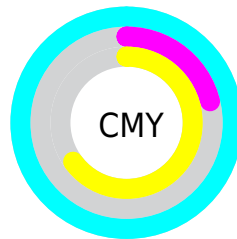
- Red (0%)
- Green (79%)
- Blue (35%)



- Red (0%)
- Yellow (55%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00CA58 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 00CA58 by changing the saturation by 10% instead.



 00CA58

 00CA58

FFFFFF

 00AE3E

 66FF8D

 009224

 86FFA8

 007703

 A5FFC4

 005D00

 C4FFE0

 004400

 E3FFFD

 002C00

 000A00

 000000

 00CA58

 14CA63

 28CA6F

 3DCA7A

 51CA86

 65CA91

 79CA9C

 8DCAA8

 A2CAB3

 B6CABF

# Harmonies

## Analogous

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



94BE02



00CA58



00D0A3

# Triad

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



00CA58



00BBFF



FF6B74

# Complementary

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



00CA58



CA0072

# 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.



FF63BC



00CA58



99A0FF

# Square

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



00CA58



00CAFF



FD7DFD



FF8A32

# Rectangle

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



00CA58



00D1D5



FD7DFF



FF648B

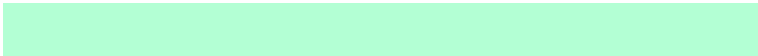


# Sweetspot

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



00CA58



B3FFD4



72CA00



528066



000000



808080



# Same Dimension

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



00CA58



00FF6F



00CABD



5C6660



00A648



002611



# Inverse Universe

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



CA0072



FF0090



CA000D



665C62



A6005E

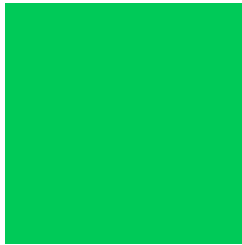


260016



# Previews

## White Background



This preview shows how the Hex color 00CA58 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



This preview shows how the Hex color 00CA58 looks on a 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 00CA58 Background



This preview shows how black text looks on a background with the Hex color 00CA58.

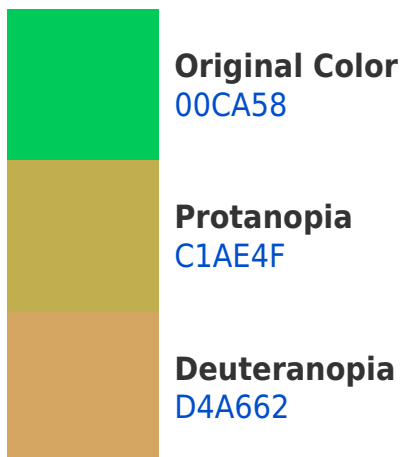


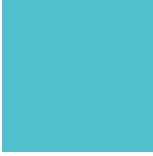
This preview shows how white text looks on a background with the Hex color 00CA58.

# 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**  
4FBECD

# Trichromacy



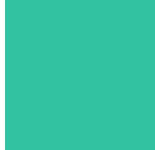
**Original Color**  
00CA58



**Protanomaly**  
7BB852



**Deuteranomaly**  
87B35E



**Tritanomaly**  
32C2A2

# Monochromacy



**Original Color**  
00CA58



**Achromatopsia**  
818181



**Achromatomaly**  
529C72

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00CA58 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 #00CA58 looks like.

```
.text, #text, p{  
    color:#00CA58  
}
```

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 #00CA58 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00CA58
}
```

## Border

The CSS property to change the border of an element to Hex 00CA58 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
#00CA58 }
```

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

```
.border{ border-color:#00CA58 }
```

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

Here you see how a box with a 4 pixel #00CA58 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00CA58; -webkit-box-shadow:4px 4px  
4px 4px #00CA58; box-shadow:4px 4px 4px  
4px #00CA58 }
```

# Background

The CSS property to change the background color of an element to Hex 00CA58 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00CA58 }
```

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

```
.background{ background-color:#00CA58 }
```

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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