

# Converting Colors

Hex(66C868)

Have a look what the booklet for  
Hex(66C868) contains.

|  |    |
|--|----|
| <b>Hex(66C868)</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**

**Hex(66C868)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 66C868                       |
| RGB         | 102, 200, 104                |
| RGB Percent | 40%, 78%, 41%                |
| CMY         | 0.6000, 0.2157, 0.5922       |
| CMYK        | 0.49, 0.00, 0.48, 0.22       |
| HSL         | 121°, 47%, 59%               |
| HSV         | 121°, 49%, 78%               |
| XYZ         | 28.6325, 45.1328, 20.2991    |
| YIQ         | 159.7540, -27.5920, -50.6320 |

# Conversions

## Conversions Part 2

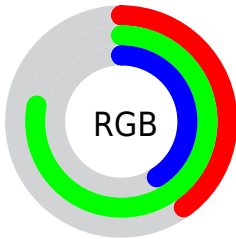
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">102, 198, 200</a>                    |
| Decimal                             | <a href="#">6735976</a>                          |
| CIELab                              | <a href="#">72.98, -48.35, 39.16</a>             |
| CIELCh                              | <a href="#">73, 62.220, 140.997</a>              |
| Yxy                                 | <a href="#">45.1328, 0.3044,<br/>0.4798</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4284926056<br/>(0xFF66C868)</a>      |
| YUV                                 | <a href="#">159.7540, -27.4867,<br/>-50.6503</a> |
| Hunter-Lab                          | <a href="#">67.1810, -41.4902,<br/>29.1118</a>   |

# Details

The Hex color **66C868** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **C866C6**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **9FFF9D**, and **299136** is the 20% darker color. If you saturate the color by 10%, you get **52C854**, and if you desaturate by 10%, it is **7AC87C**.

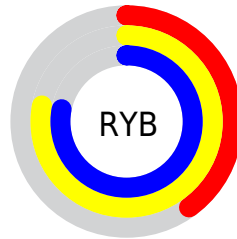
# Distribution



Red (40%)

Green (78%)

Blue (41%)



Red (40%)

Yellow (78%)

Blue (78%)

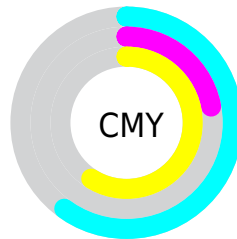


Cyan (49%)

Magenta (0%)

Yellow (48%)

Black (22%)



Cyan (60%)

Magenta (22%)

Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66C868 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 66C868 by changing the saturation by 10% instead.



 66C868

 66C868

FFFFFF

 49AC4F

 9FFF9D

 299136

 BCFFB8

 00771D

 D9FFD4

 005D00

 F6FFF1

 004400

 002E00

 001200

 000000

 66C868

 66C868

 52C854

 7AC87C

 3EC841

 8EC88F

 2AC82D

 A2C8A3

 16C81A

 B6C8B6

 02C806

 CAC8CA

 00C804

 DEC8DE

 F2C8F1

 FFC8FF

# Harmonies

## Analogous

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



ABBC41



66C868



00CE9F

# Triad

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



66C868



00BEFF



FF828E

# Complementary

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



66C868



C866C6

# 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.



FF82C7



66C868



97ABFF

# Square

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



66C868



00CAFF



E893FC



FF945C

# Rectangle

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



66C868



00CFC7



E893FC



FF80A0

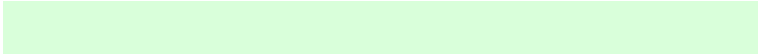


# Sweetspot

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



66C868



D9FFDA



C6C866



698069



000000



808080



# Same Dimension

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



66C868



69FF6C



66C899



5A635A



00A303



002401



# Inverse Universe

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



C866C6



FF69FC



C86695



635A63



A300A0



240023



# Previews

## White Background



This preview shows how the Hex color 66C868 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 66C868 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 66C868 Background



This preview shows how black text looks on a background with the Hex color 66C868.

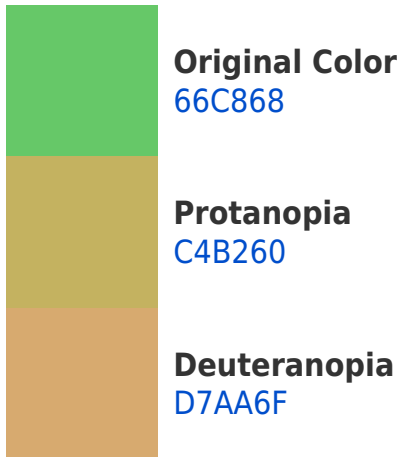


This preview shows how white text looks on a background with the Hex color 66C868.

# 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





# Trichromacy



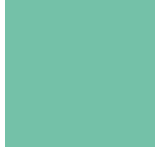
**Original Color**  
66C868



**Protanomaly**  
A2BA63



**Deuteranomaly**  
AEB56C



**Tritanomaly**  
74C1A8

# Monochromacy



**Original Color**  
66C868



**Achromatopsia**  
A0A0A0



**Achromatomaly**  
8BAF8C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66C868 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 #66C868 looks like.

```
.text, #text, p{  
    color:#66C868  
}
```

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 #66C868 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66C868
}
```

## Border

The CSS property to change the border of an element to Hex 66C868 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
#66C868 }
```

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

```
.border{ border-color:#66C868 }
```

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

Here you see how a box with a 4 pixel #66C868 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66C868; -webkit-box-shadow:4px 4px  
4px 4px #66C868; box-shadow:4px 4px 4px  
4px #66C868 }
```

# Background

The CSS property to change the background color of an element to Hex 66C868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66C868 }
```

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

```
.background{ background-color:#66C868 }
```

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