

# Converting Colors

Hex(66CB75)

Have a look what the booklet for  
Hex(66CB75) contains.

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# **Color**

**Hex(66CB75)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66CB75
RGB	102, 203, 117
RGB Percent	40%, 80%, 46%
CMY	0.6000, 0.2039, 0.5412
CMYK	0.50, 0.00, 0.42, 0.20
HSL	129°, 49%, 60%
HSV	129°, 50%, 80%
XYZ	30.0463, 46.8210, 24.2834
YIQ	162.9970, -32.5900, -48.1580

# Conversions

## Conversions Part 2

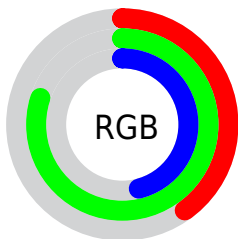
Format	Color
<a href="#">RYB</a>	<a href="#">102, 190, 203</a>
Decimal	<a href="#">6736757</a>
CIELab	<a href="#">74.08, -47.65, 34.02</a>
CIELCh	<a href="#">74, 58.543, 144.477</a>
Yxy	<a href="#">46.8210, 0.2970, 0.4629</a>
Android (android.graphics.Color)	<a href="#">4284926837 (0xFF66CB75)</a>
YUV	<a href="#">162.9970, -22.6765, -53.4944</a>
Hunter-Lab	<a href="#">68.4259, -41.3646, 26.8569</a>

# Details

The Hex color **66CB75** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **CB66BC**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **9FFFAA**, and **299443** is the 20% darker color. If you saturate the color by 10%, you get **52CB64**, and if you desaturate by 10%, it is **7ACB86**.

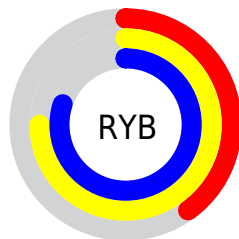
# Distribution



Red (40%)

Green (80%)

Blue (46%)



Red (40%)

Yellow (75%)

Blue (80%)

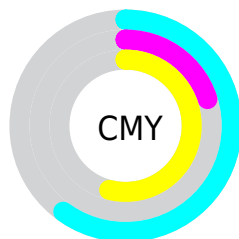


Cyan (50%)

Magenta (0%)

Yellow (42%)

Black (20%)



Cyan (60%)

Magenta (20%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66CB75 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 66CB75 by changing the saturation by 10% instead.



 66CB75

 66CB75

FFFFFF

 49AF5C

 9FFFAA

 299443

 BCFFC6

 007A2B

 D9FFE2

 006012

 F6FFFF

 004700

 003000

 001700

 000000

 66CB75

 66CB75

 52CB64

 7ACB86

 3DCB52

 8FCB98

 29CB41

 A3CBA9

 15CB30

 B7CBBA

 01CB1F

 CCCBCB

 00CB1E

 E0CBDD

 F4CBEE

 FFCBFF

# Harmonies

## Analogous

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



A9C04F



66CB75



00D0AA

# Triad

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



66CB75



00BFFF



FF8B8D

# Complementary

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



66CB75



CB66BC

# 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.



FF88C2



66CB75



A8ACFF

# Square

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



66CB75



00CBFF



EF96F5



FF9C60

# Rectangle

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



66CB75



00D1CF



EF96F5



FF889E

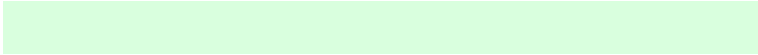


# Sweetspot

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



66CB75



D9FFDE



BECB66



69806C



000000



808080



# Same Dimension

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



66CB75



66FF7D



66CBA6



5C665D



00A619



002606



# Inverse Universe

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



CB66BC



FF66E8



CB668B



665C64



A6008D



260021



# Previews

## White Background



This preview shows how the Hex color 66CB75 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 66CB75 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 66CB75 Background



This preview shows how black text looks on a background with the Hex color 66CB75.

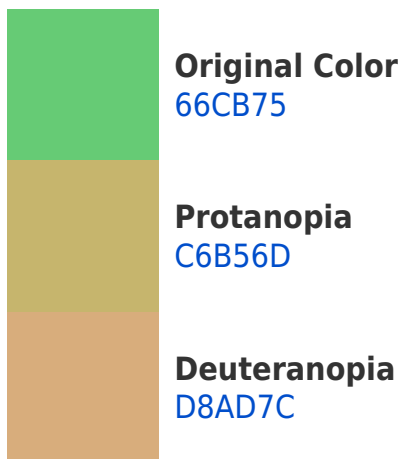


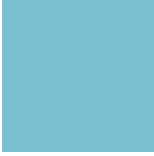
This preview shows how white text looks on a background with the Hex color 66CB75.

# 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**  
7BC0D0

# Trichromacy



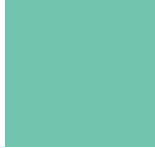
**Original Color**  
66CB75



**Protanomaly**  
A3BD70



**Deuteranomaly**  
AFB879



**Tritanomaly**  
73C4AF

# Monochromacy



**Original Color**  
66CB75



**Achromatopsia**  
A3A3A3



**Achromatomaly**  
8DB292

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66CB75 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 #66CB75 looks like.

```
.text, #text, p{  
    color:#66CB75  
}
```

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 #66CB75 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66CB75
}
```

## Border

The CSS property to change the border of an element to Hex 66CB75 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
#66CB75 }
```

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

```
.border{ border-color:#66CB75 }
```

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

Here you see how a box with a 4 pixel #66CB75 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66CB75; -webkit-box-shadow:4px 4px  
4px 4px #66CB75; box-shadow:4px 4px 4px  
4px #66CB75 }
```

# Background

The CSS property to change the background color of an element to Hex 66CB75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66CB75 }
```

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

```
.background{ background-color:#66CB75 }
```

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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