

# Converting Colors

Hex(66A567)

Have a look what the booklet for  
Hex(66A567) contains.

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# **Color**

**Hex(66A567)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66A567
RGB	102, 165, 103
RGB Percent	40%, 65%, 40%
CMY	0.6000, 0.3529, 0.5961
CMYK	0.38, 0.00, 0.38, 0.35
HSL	121°, 26%, 52%
HSV	121°, 38%, 65%
XYZ	21.3828, 30.7143, 17.6334
YIQ	139.0950, -17.6460, -32.6380

# Conversions

## Conversions Part 2

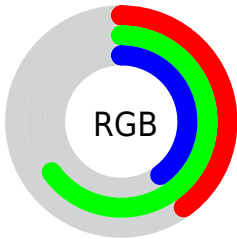
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 164, 165</a>
Decimal	<a href="#">6727015</a>
CIELab	<a href="#">62.27, -33.26, 25.93</a>
CIElCh	<a href="#">62, 42.167, 142.061</a>
Yxy	<a href="#">30.7143, 0.3066, 0.4405</a>
Android (android.graphics.Color)	<a href="#">4284917095 (0xFF66A567)</a>
YUV	<a href="#">139.0950, -17.7948, -32.5323</a>
Hunter-Lab	<a href="#">55.4205, -28.1155, 19.9297</a>

# Details

The Hex color **66A567** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **A566A4**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **9BDC9B**, and **327137** is the 20% darker color. If you saturate the color by 10%, you get **55A557**, and if you desaturate by 10%, it is **76A577**.

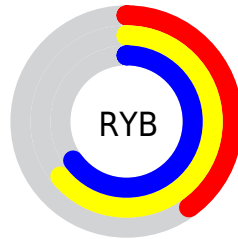
# Distribution



Red (40%)

Green (65%)

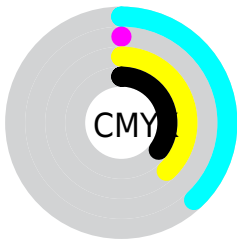
Blue (40%)



Red (40%)

Yellow (64%)

Blue (65%)

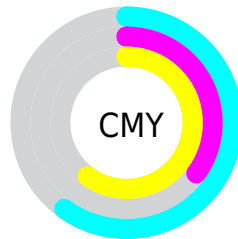


Cyan (38%)

Magenta (0%)

Yellow (38%)

Black (35%)



Cyan (60%)

Magenta (35%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66A567 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 66A567 by changing the saturation by 10% instead.





66A567



66A567

FFFFFF



4C8A4E



9BDC9B



327137



B7F9B6



165820



D3FFD1



004009



F0FFEE



002900



000F00



000000



66A567



66A567



55A557



76A577

 45A547

 87A587

 34A536

 97A598

 24A526

 A8A5A8

 13A516

 B8A5B8

 03A506

 C9A5C8

 00A503

 D9A5D9

 EAA5E9

 FAA5F9

# Harmonies

## Analogous

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



929D4F



66A567



25A98B

# Triad

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



66A567



409DE0



DE797C

# Complementary

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



66A567



A566A4

# 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.



D779A2



66A567



8A91DC

# Square

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



66A567



00A6D1



BB82C5



D1845D

# Rectangle

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



66A567



00AAA5



BB82C5



DE7889



# Sweetspot

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



66A567



BFD6BF



A5A566



5D6B5D



EBEBEB



6B6B6B



# Same Dimension

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



66A567



74D675



66A585



49524A



009102



001200



# Inverse Universe

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



A566A4



D674D5



A56685



524951



91008F



120012



# Previews

## White Background



This preview shows how the Hex color 66A567 looks on a white background.

## Color Contrast Check

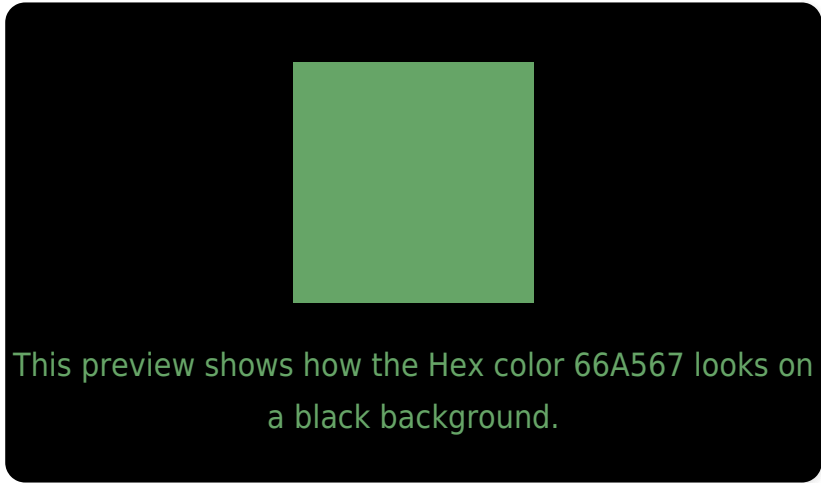
Large Text (above 18pt) WCAG AA × Fail

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 66A567 Background



This preview shows how black text looks on a background with the Hex color 66A567.



This preview shows how white text looks on a background with the Hex color 66A567.

# 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



**Original Color**  
66A567

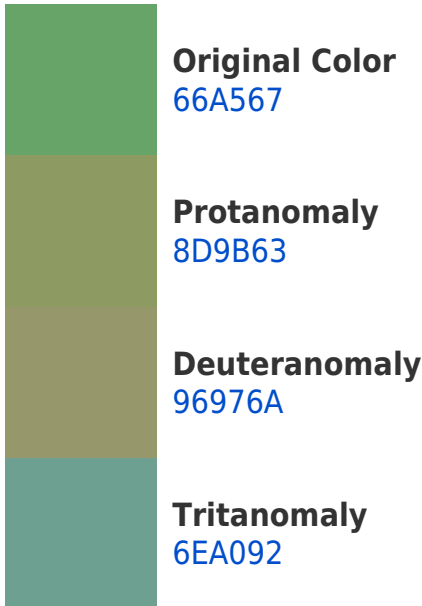
**Protanopia**  
A39661

**Deuteranopia**  
B28F6C

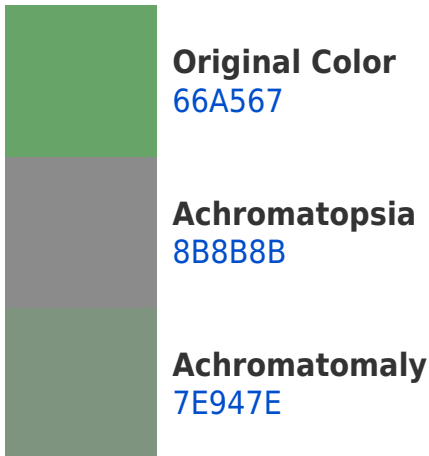


**Tritanopia**  
739DAA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66A567 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 #66A567 looks like.

```
.text, #text, p{  
    color:#66A567  
}
```

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 #66A567 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66A567
}
```

## Border

The CSS property to change the border of an element to Hex 66A567 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
#66A567 }
```

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

```
.border{ border-color:#66A567 }
```

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

Here you see how a box with a 4 pixel #66A567 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66A567; -webkit-box-shadow:4px 4px  
4px 4px #66A567; box-shadow:4px 4px 4px  
4px #66A567 }
```

# Background

The CSS property to change the background color of an element to Hex 66A567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66A567 }
```

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

```
.background{ background-color:#66A567 }
```

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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