

# Converting Colors

Hex(46B95C)

Have a look what the booklet for  
Hex(46B95C) contains.

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**Color**

**Hex(46B95C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46B95C
RGB	70, 185, 92
RGB Percent	27%, 73%, 36%
CMY	0.7255, 0.2745, 0.6392
CMYK	0.62, 0.00, 0.50, 0.27
HSL	131°, 45%, 50%
HSV	131°, 62%, 73%
XYZ	21.8065, 36.7727, 16.0737
YIQ	140.0130, -38.6870, -53.3030

# Conversions

## Conversions Part 2

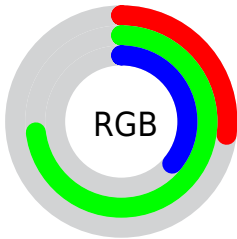
Format	Color
<a href="#">RYB</a>	<a href="#">70, 167, 185</a>
Decimal	<a href="#">4634972</a>
CIELab	<a href="#">67.11, -52.12, 37.58</a>
CIELCh	<a href="#">67, 64.261, 144.206</a>
Yxy	<a href="#">36.7727, 0.2921, 0.4926</a>
Android (android.graphics.Color)	<a href="#">4282825052 (0xFF46B95C)</a>
YUV	<a href="#">140.0130, -23.6704, -61.4014</a>
Hunter-Lab	<a href="#">60.6405, -41.9318, 26.7326</a>

# Details

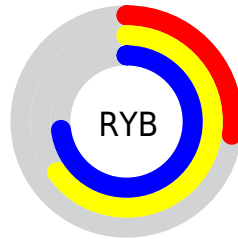
The Hex color **46B95C** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **B946A3**, and the grayscale version is **8C8C8C**.

A 20% lighter version of the original color is **81F290**, and **00832A** is the 20% darker color. If you saturate the color by 10%, you get **34B94D**, and if you desaturate by 10%, it is **59B96B**.

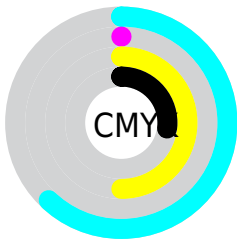
# Distribution



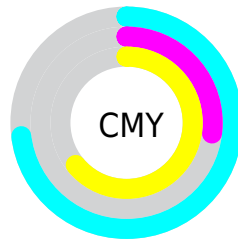
- Red (27%)
- Green (73%)
- Blue (36%)



- Red (27%)
- Yellow (65%)
- Blue (73%)



- Cyan (62%)
- Magenta (0%)
- Yellow (50%)
- Black (27%)



- Cyan (73%)
- Magenta (27%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46B95C 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 46B95C by changing the saturation by 10% instead.



 46B95C

 46B95C

FFFFFF

 239D43

 81F290

 00832A

 9EFFAB

 006910

 BCFFC7

 004F00

 D9FFE3

 003700

 F7FFFF

 002000

 000000

 46B95C

 46B95C

 34B94D

 59B96B

 21B93E

 6BB97A

 0EB92F

 7EB989

 00B923

 90B998

 A3B9A7

 B5B9B6

 C8B9C5

 DAB9D4

 EDB9E3

# Harmonies

## Analogous

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



94AE2E



46B95C



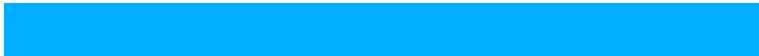
00BE96

# Triad

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



46B95C



00ADFF



FF7177

# Complementary

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



46B95C



B946A3

# 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.



FF6EB1



46B95C



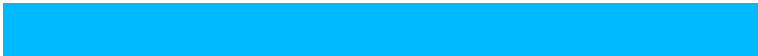
9099FF

# Square

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



46B95C



00BAFF



DF80E8



F58645

# Rectangle

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



46B95C



00BFBE



DF80E8



FF6D8A

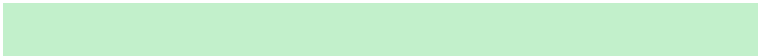


# Sweetspot

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



46B95C



C2F0CB



A4B946



5C7862



F7F7F7



787878



# Same Dimension

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



46B95C



3CF05E



46B995



535C54



009C1E



001C05



# Inverse Universe

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



B946A3



F03CCD



B9466A



5C535A



9C007E



1C0017



# Previews

## White Background



This preview shows how the Hex color 46B95C looks on a white background.

## Color Contrast Check

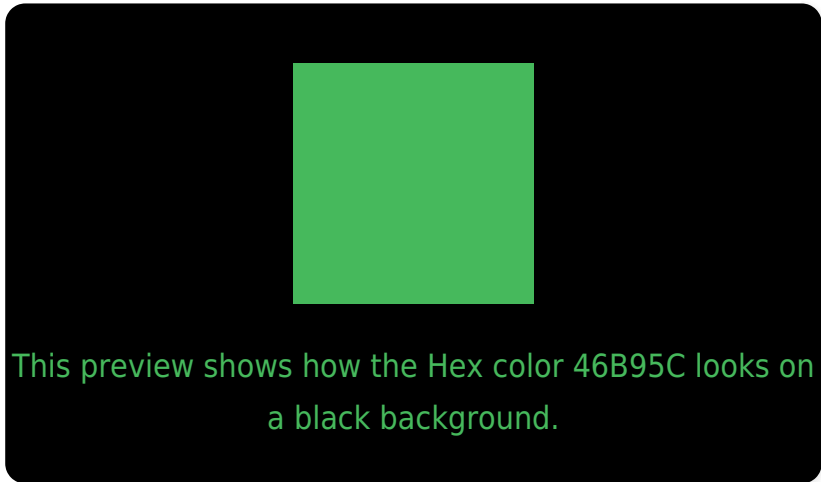
Large Text (above 18pt) WCAG AA × Fail

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 46B95C Background



This preview shows how black text looks on a background with the Hex color 46B95C.

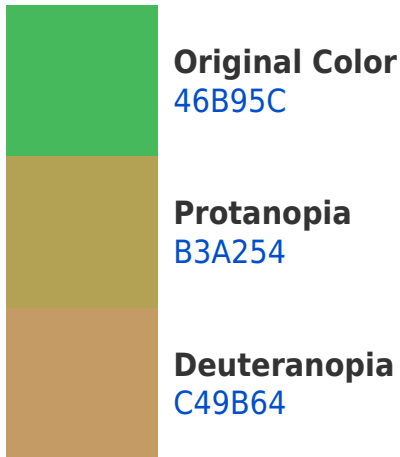


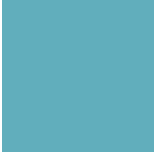
This preview shows how white text looks on a background with the Hex color 46B95C.

# 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**  
61AEB3

# Trichromacy



**Original Color**  
46B95C



**Protanomaly**  
8BAA57



**Deuteranomaly**  
96A661



**Tritanomaly**  
57B299

# Monochromacy



**Original Color**  
46B95C



**Achromatopsia**  
8C8C8C



**Achromatomaly**  
739C7B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46B95C 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 #46B95C looks like.

```
.text, #text, p{  
    color:#46B95C  
}
```

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 #46B95C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46B95C
}
```

## Border

The CSS property to change the border of an element to Hex 46B95C 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
#46B95C }
```

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

```
.border{ border-color:#46B95C }
```

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

Here you see how a box with a 4 pixel #46B95C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46B95C; -webkit-box-shadow:4px 4px  
4px 4px #46B95C; box-shadow:4px 4px 4px  
4px #46B95C }
```

# Background

The CSS property to change the background color of an element to Hex 46B95C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46B95C }
```

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

```
.background{ background-color:#46B95C }
```

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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