

# Converting Colors

Hex(46BC64)

Have a look what the booklet for  
Hex(46BC64) contains.

<b>Hex(46BC64)</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(46BC64)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46BC64
RGB	70, 188, 100
RGB Percent	27%, 74%, 39%
CMY	0.7255, 0.2627, 0.6078
CMYK	0.63, 0.00, 0.47, 0.26
HSL	135°, 47%, 51%
HSV	135°, 63%, 74%
XYZ	22.8093, 38.1886, 18.2256
YIQ	142.6860, -42.0800, -52.3840

# Conversions

## Conversions Part 2

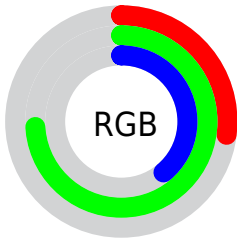
Format	Color
<a href="#">RYB</a>	<a href="#">70, 164, 188</a>
Decimal	<a href="#">4635748</a>
CIELab	<a href="#">68.16, -52.04, 34.88</a>
CIELCh	<a href="#">68, 62.650, 146.169</a>
Yxy	<a href="#">38.1886, 0.2879, 0.4820</a>
Android (android.graphics.Color)	<a href="#">4282825828 (0xFF46BC64)</a>
YUV	<a href="#">142.6860, -21.0442, -63.7456</a>
Hunter-Lab	<a href="#">61.7970, -42.2603, 25.7717</a>

# Details

The Hex color **46BC64** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **BC469E**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **82F598**, and **008633** is the 20% darker color. If you saturate the color by 10%, you get **33BC56**, and if you desaturate by 10%, it is **59BC72**.

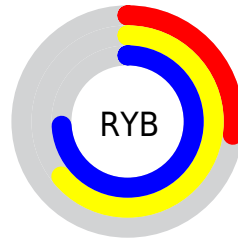
# Distribution



Red (27%)

Green (74%)

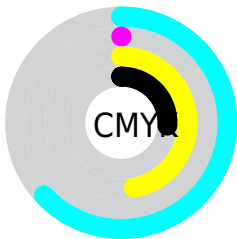
Blue (39%)



Red (27%)

Yellow (64%)

Blue (74%)

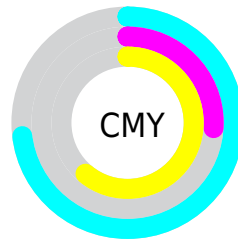


Cyan (63%)

Magenta (0%)

Yellow (47%)

Black (26%)



Cyan (73%)

Magenta (26%)

Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46BC64 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 46BC64 by changing the saturation by 10% instead.



 46BC64

 46BC64

FFFFFF

 22A04B

 82F598

 008633

 9FFFB3

 006B1A

 BCFFCF

 005200

 DAF FEC

 003A00

 F8FFFF

 002300

 000000

 46BC64

 46BC64

 33BC56

 59BC72

 20BC48

 6CBC80

 0EBC3A

 7EBC8E

 00BC30

 91BC9C

 A4BCAA

 B7BCB8

 CABCC6

 DCBCD4

 EFBCE2

# Harmonies

## Analogous

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



93B238



46BC64



00C19D

# Triad

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



46BC64



00AFFF



FF7778

# Complementary

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



46BC64



BC469E

# 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.



FF72B0



46BC64



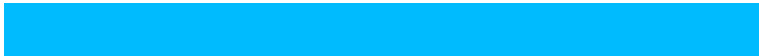
9A9AFF

# Square

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



46BC64



00BCFF



E482E6



F48B48

# Rectangle

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



46BC64



00C2C4



E482E6



FF738A

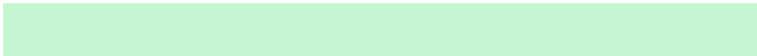


# Sweetspot

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



46BC64



C6F5D2



9FBC46



5E7A65



FAFAFA



7A7A7A



# Same Dimension

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



46BC64



3DF56C



46BC9F



555E57



009E28



001F08



# Inverse Universe

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



BC469E



F53DC6



BC4664



5E555C



9E0076



1F0017



# Previews

## White Background



This preview shows how the Hex color 46BC64 looks on a white background.

## Color Contrast Check

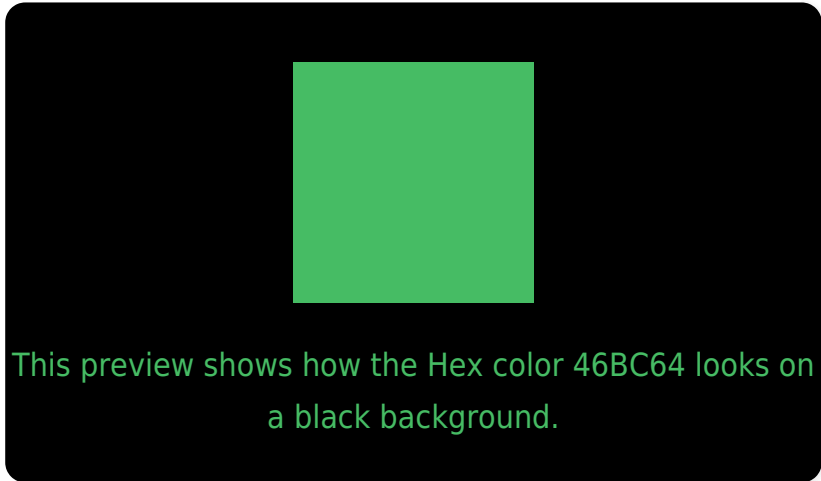
Large Text (above 18pt) WCAG AA × Fail

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

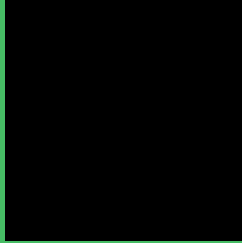
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 46BC64 Background



This preview shows how black text looks on a background with the Hex color 46BC64.

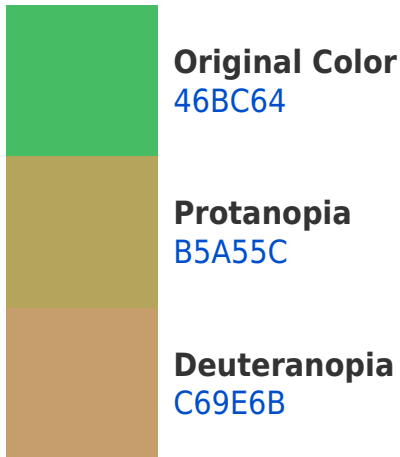


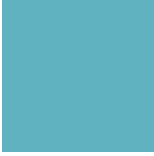
This preview shows how white text looks on a background with the Hex color 46BC64.

# 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**  
61B2C0

# Trichromacy



**Original Color**  
46BC64



**Protanomaly**  
8DAD5F



**Deuteranomaly**  
97A968



**Tritanomaly**  
57B69F

# Monochromacy



**Original Color**  
46BC64



**Achromatopsia**  
8F8F8F



**Achromatomaly**  
749F7F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46BC64 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 #46BC64 looks like.

```
.text, #text, p{  
    color:#46BC64  
}
```

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 #46BC64 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46BC64
}
```

## Border

The CSS property to change the border of an element to Hex 46BC64 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
#46BC64 }
```

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

```
.border{ border-color:#46BC64 }
```

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

Here you see how a box with a 4 pixel #46BC64 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46BC64; -webkit-box-shadow:4px 4px  
4px 4px #46BC64; box-shadow:4px 4px 4px  
4px #46BC64 }
```

# Background

The CSS property to change the background color of an element to Hex 46BC64 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46BC64 }
```

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

```
.background{ background-color:#46BC64 }
```

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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