

# Converting Colors

Hex(46BE5A)

Have a look what the booklet for  
Hex(46BE5A) contains.

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**Color**

**Hex(46BE5A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46BE5A
RGB	70, 190, 90
RGB Percent	27%, 75%, 35%
CMY	0.7255, 0.2549, 0.6471
CMYK	0.63, 0.00, 0.53, 0.25
HSL	130°, 48%, 51%
HSV	130°, 63%, 75%
XYZ	22.7847, 38.8672, 15.9741
YIQ	142.7200, -39.4200, -56.5400

# Conversions

## Conversions Part 2

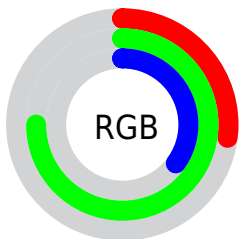
Format	Color
<a href="#">RYB</a>	<a href="#">70, 173, 190</a>
Decimal	<a href="#">4636250</a>
CIELab	<a href="#">68.65, -54.29, 40.47</a>
CIElCh	<a href="#">69, 67.716, 143.295</a>
Yxy	<a href="#">38.8672, 0.2935, 0.5007</a>
Android (android.graphics.Color)	<a href="#">4282826330 (0xFF46BE5A)</a>
YUV	<a href="#">142.7200, -25.9910, -63.7754</a>
Hunter-Lab	<a href="#">62.3436, -43.8648, 28.4488</a>

# Details

The Hex color **46BE5A** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **BE46AA**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **82F78E**, and **008728** is the 20% darker color. If you saturate the color by 10%, you get **33BE4A**, and if you desaturate by 10%, it is **59BE6A**.

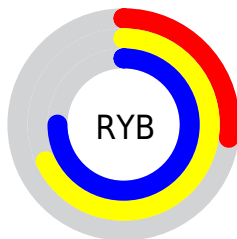
# Distribution



Red (27%)

Green (75%)

Blue (35%)



Red (27%)

Yellow (68%)

Blue (75%)

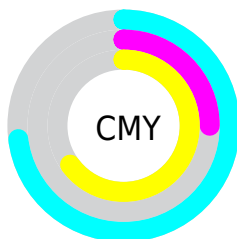


Cyan (63%)

Magenta (0%)

Yellow (53%)

Black (25%)



Cyan (73%)

Magenta (25%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46BE5A 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 46BE5A by changing the saturation by 10% instead.



 46BE5A

 46BE5A

FFFFFF

 21A241

 82F78E

 008728

 A0FFA9

 006D0C

 BDFFC5

 005400

 DBFFE1

 003B00

 F9FFFE

 002400

 000000

 46BE5A

 46BE5A

 33BE4A

 59BE6A

 20BE3A

 6CBE7A

 0DBE2A

 7FBE8A

 00BE20

 92BE99

 A5BEA9

 B8BEB9

 CBBEC9

 DEBED9

 F1BEE9

# Harmonies

## Analogous

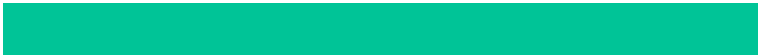
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98B228



46BE5A



00C497

# Triad

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



46BE5A



00B3FF



FF717B

# Complementary

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



46BE5A



BE46AA

# 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.



FF6EB8



46BE5A



8E9DFF

# Square

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



46BE5A



00BFFF



E482F2



FE8745

# Rectangle

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



46BE5A



00C5C2



E482F2



FF6D8F

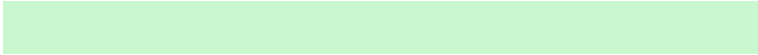


# Sweetspot

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



46BE5A



C8F7D0



AABE46



607D65



FCFCFC



7D7D7D



# Same Dimension

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



46BE5A



3BF75B



46BE96



555E56



009E1A



001F05



# Inverse Universe

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



BE46AA



F73BD8



BE466E



5E555D



9E0084



1F0019



# Previews

## White Background



This preview shows how the Hex color 46BE5A looks on a white background.

## Color Contrast Check

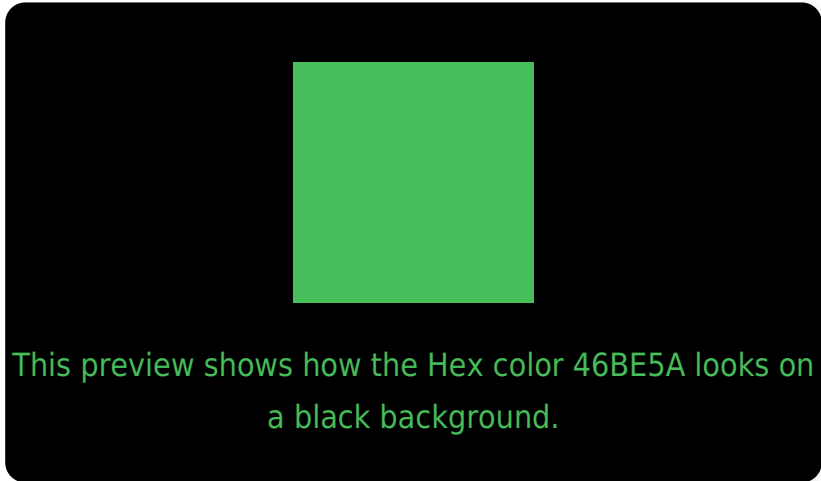
Large Text (above 18pt) WCAG AA × Fail

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

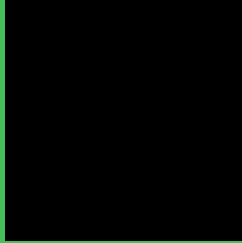
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 46BE5A Background



This preview shows how black text looks on a background with the Hex color 46BE5A.

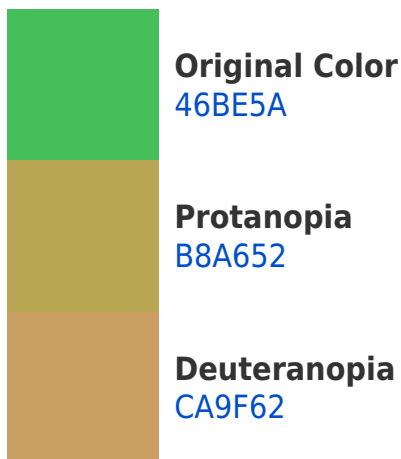


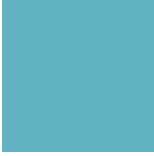
This preview shows how white text looks on a background with the Hex color 46BE5A.

# 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**  
62B3C1

# Trichromacy



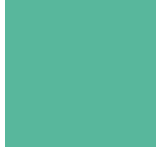
**Original Color**  
46BE5A



**Protanomaly**  
8FAF55



**Deuteranomaly**  
9AAA5F



**Tritanomaly**  
58B79C

# Monochromacy



**Original Color**  
46BE5A



**Achromatopsia**  
8F8F8F



**Achromatomaly**  
74A07C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46BE5A 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 #46BE5A looks like.

```
.text, #text, p{  
    color:#46BE5A  
}
```

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 #46BE5A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46BE5A
}
```

## Border

The CSS property to change the border of an element to Hex 46BE5A 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
#46BE5A }
```

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

```
.border{ border-color:#46BE5A }
```

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

Here you see how a box with a 4 pixel #46BE5A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46BE5A; -webkit-box-shadow:4px 4px  
4px 4px #46BE5A; box-shadow:4px 4px 4px  
4px #46BE5A }
```

# Background

The CSS property to change the background color of an element to Hex 46BE5A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46BE5A }
```

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

```
.background{ background-color:#46BE5A }
```

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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