

# Converting Colors

Hex(46AB30)

Have a look what the booklet for  
Hex(46AB30) contains.

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**Color**

**Hex(46AB30)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46AB30
RGB	70, 171, 48
RGB Percent	27%, 67%, 19%
CMY	0.7255, 0.3294, 0.8118
CMYK	0.59, 0.00, 0.72, 0.33
HSL	109°, 56%, 43%
HSV	109°, 72%, 67%
XYZ	17.6222, 30.6413, 7.7819
YIQ	126.7790, -20.7130, -59.6650

# Conversions

## Conversions Part 2

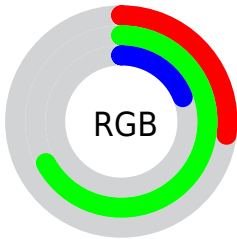
Format	Color
<b>RYB</b>	48, 171, 149
Decimal	4631344
CIELab	62.20, -51.98, 51.84
CIELCh	62, 73.406, 135.078
Yxy	30.6413, 0.3144, 0.5467
Android (android.graphics.Color)	4282821424 (0xFF46AB30)
YUV	126.7790, -38.8380, -49.7952
Hunter-Lab	55.3546, -40.0449, 30.4131

# Details

The Hex color **46AB30** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9530AB**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **81E365**, and **007600** is the 20% darker color. If you saturate the color by 10%, you get **38AB1F**, and if you desaturate by 10%, it is **54AB41**.

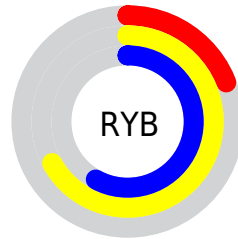
# Distribution



Red (27%)

Green (67%)

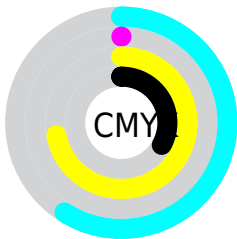
Blue (19%)



Red (19%)

Yellow (67%)

Blue (58%)

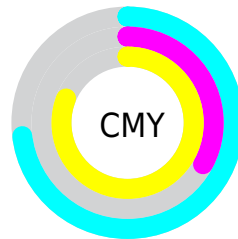


Cyan (59%)

Magenta (0%)

Yellow (72%)

Black (33%)



Cyan (73%)

Magenta (33%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46AB30 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 46AB30 by changing the saturation by 10% instead.



 46AB30

 46AB30

FFFFFF

 249011

 81E365

 007600

 9EFF80

 005C00

 BBFF9B

 004300

 D8FFB7

 002E00

 F6FFD4

 000E00

 FFFFF1

 000000

 46AB30

 46AB30

 38AB1F

 54AB41

 2AAB0E

 62AB52

 1FAB00

 70AB63

 7EAB74

 8CAB85

 9AAB97

 A8ABA8

 B6ABB9

 C4ABCA

# Harmonies

## Analogous

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



969D00



46AB30



00B272

# Triad

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



46AB30



00A7FF



FF5178

# Complementary

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



46AB30



9530AB

# 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.



FA57BA



46AB30



4093FF

# Square

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



46AB30



00B1F2



C275F3



F86A3B

# Rectangle

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



46AB30



00B4A0



C275F3



FF4F8E



# Sweetspot

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



46AB30



B6DEAD



AB9430



587053



F0F0F0



707070



# Same Dimension

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



46AB30



41DE1F



30AB57



50574E



1B9600



041700



# Inverse Universe

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



9530AB



BC1FDE



AB3084



554E57



7C0096



130017



# Previews

## White Background



This preview shows how the Hex color 46AB30 looks on a white background.

## Color Contrast Check

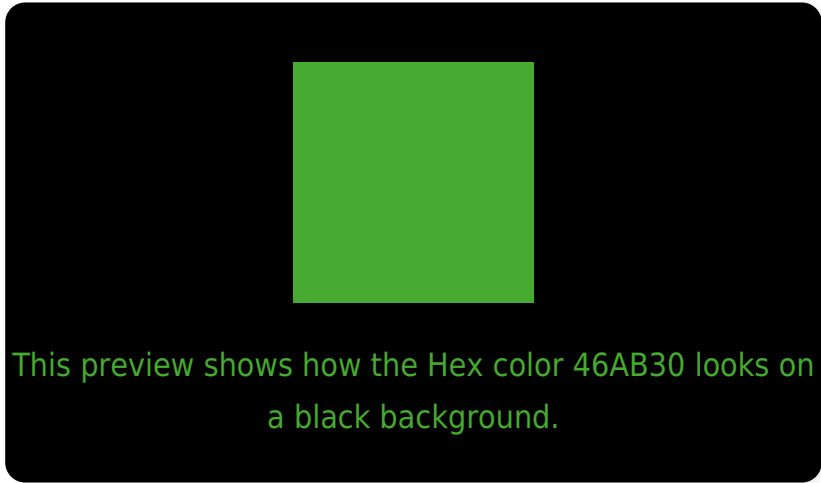
Large Text (above 18pt) WCAG AA × Fail

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

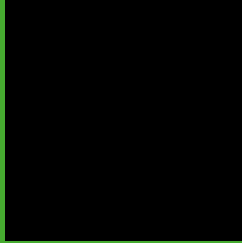
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 46AB30 Background



This preview shows how black text looks on a background with the Hex color 46AB30.

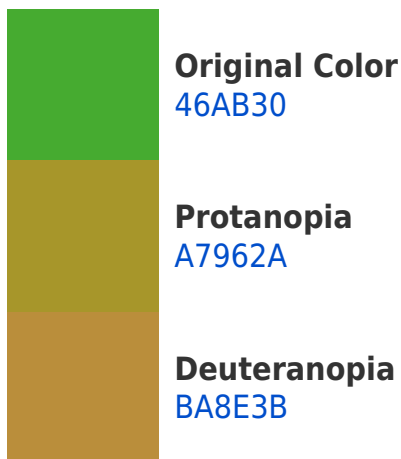


This preview shows how white text looks on a background with the Hex color 46AB30.

# 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](#).

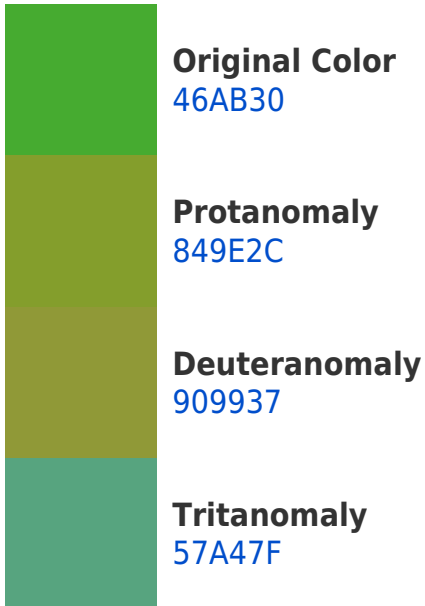
## Dichromacy



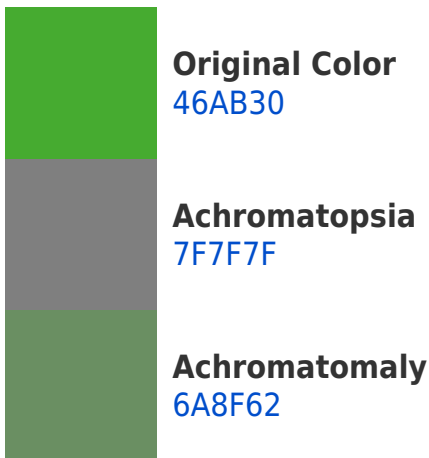


**Tritanopia**  
60A0AC

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46AB30 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 #46AB30 looks like.

```
.text, #text, p{  
    color:#46AB30  
}
```

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 #46AB30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46AB30
}
```

## Border

The CSS property to change the border of an element to Hex 46AB30 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
#46AB30 }
```

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

```
.border{ border-color:#46AB30 }
```

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

Here you see how a box with a 4 pixel #46AB30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46AB30; -webkit-box-shadow:4px 4px  
4px 4px #46AB30; box-shadow:4px 4px 4px  
4px #46AB30 }
```

# Background

The CSS property to change the background color of an element to Hex 46AB30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46AB30 }
```

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

```
.background{ background-color:#46AB30 }
```

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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