

# Converting Colors

Hex(47B629)

Have a look what the booklet for  
Hex(47B629) contains.

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**Color**

**Hex(47B629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47B629
RGB	71, 182, 41
RGB Percent	28%, 71%, 16%
CMY	0.7216, 0.2863, 0.8392
CMYK	0.61, 0.00, 0.77, 0.29
HSL	107°, 63%, 44%
HSV	107°, 77%, 71%
XYZ	19.7267, 34.9556, 7.8052
YIQ	132.7370, -20.8950, -67.3830

# Conversions

## Conversions Part 2

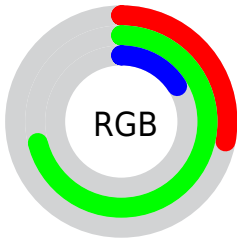
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 182, 152
Decimal	4699689
CIELab	65.71, -56.18, 57.80
CIELCh	66, 80.609, 134.184
Yxy	34.9556, 0.3157, 0.5594
Android (android.graphics.Color)	4282889769 (0xFF47B629)
YUV	132.7370, -45.2263, -54.1433
Hunter-Lab	59.1232, -43.9084, 33.5590

# Details

The Hex color **47B629** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **9829B6**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **84EF61**, and **008000** is the 20% darker color. If you saturate the color by 10%, you get **39B617**, and if you desaturate by 10%, it is **55B63B**.

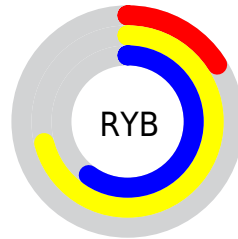
# Distribution



Red (28%)

Green (71%)

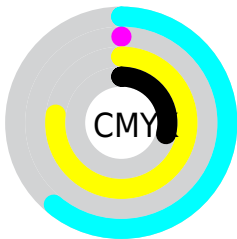
Blue (16%)



Red (16%)

Yellow (71%)

Blue (60%)

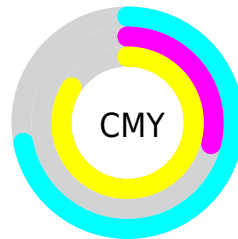


Cyan (61%)

Magenta (0%)

Yellow (77%)

Black (29%)



Cyan (72%)

Magenta (29%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 47B629 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 47B629 by changing the saturation by 10% instead.



 47B629

 47B629


FFFFFF

 229B00

 84EF61

 008000

 A1FF7C

 006600

 BFFF98

 004D00


 DCFFB4

 003500

 FBFFD0

 001C00

 FFFFEE

 000000

 47B629

 47B629

 39B617

 55B63B

 2AB605

 64B64D

 27B600

 72B660

 80B672

 8FB684

 9DB696

 ABB6A8

 BAB6BB

 C8B6CD

# Harmonies

## Analogous

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



A0A700



47B629



00BE75

# Triad

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



47B629



00B3FF



FF4F81

# Complementary

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



47B629



9829B6

# 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.



FF57C9



47B629



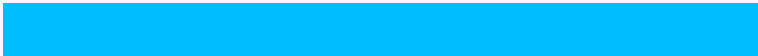
249DFF

# Square

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



47B629



00BDFE



CD7BFF



FF6C3C

# Rectangle

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



47B629



00C0A8



CD7BFF



FF4C99



# Sweetspot

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



47B629



C2EDB7



B69729



5D7856



F7F7F7



787878



# Same Dimension

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



47B629



40ED11



29B651



555C53



219C00



061C00



# Inverse Universe

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



9829B6



BE11ED



B6298E



5A535C



7A009C



16001C



# Previews

## White Background



This preview shows how the Hex color 47B629 looks on a white background.

## Color Contrast Check

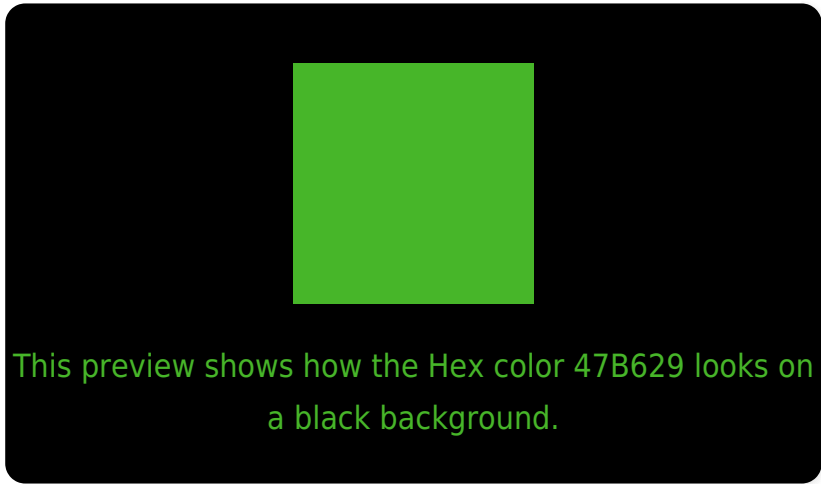
Large Text (above 18pt) WCAG AA × Fail

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

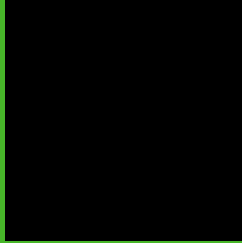
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 47B629 Background



This preview shows how black text looks on a background with the Hex color 47B629.



This preview shows how white text looks on a background with the Hex color 47B629.

# 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](#).

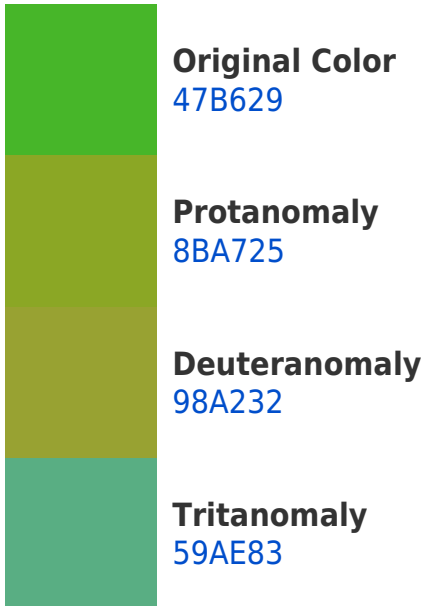
## Dichromacy





**Tritanopia**  
64AAB7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 47B629 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 #47B629 looks like.

```
.text, #text, p{  
    color:#47B629  
}
```

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 #47B629 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #47B629  
}
```

## Border

The CSS property to change the border of an element to Hex 47B629 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  
#47B629 }
```

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

```
.border{ border-color:#47B629 }
```

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

Here you see how a box with a 4 pixel #47B629 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #47B629; -webkit-box-shadow:4px 4px  
4px 4px #47B629; box-shadow:4px 4px 4px  
4px #47B629 }
```

# Background

The CSS property to change the background color of an element to Hex 47B629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#47B629 }
```

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

```
.background{ background-color:#47B629 }
```

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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