

# Converting Colors

XYZ(37.2743, 46.3571, 12.6074)

Have a look what the booklet for  
XYZ(37.2743, 46.3571, 12.6074)  
contains.

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# Color

**XYZ(37.3921, 46.4867,  
12.6323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0BE45
RGB	176, 190, 69
RGB Percent	69%, 75%, 27%
CMY	0.3098, 0.2549, 0.7294
CMYK	0.07, 0.00, 0.64, 0.25
HSL	67°, 48%, 51%
HSV	67°, 64%, 75%
XYZ	37.3921, 46.4867, 12.6323
YIQ	172.0200, 30.4970, -40.5990

# Conversions

## Conversions Part 2

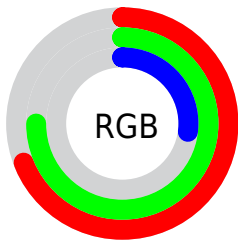
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 190, 83
Decimal	11583045
CIELab	73.86, -20.96, 57.39
CIELCh	74, 61.095, 110.065
Yxy	46.4867, 0.3874, 0.4817
Android (android.graphics.Color)	4289773125 (0xFFB0BE45)
YUV	172.0200, -50.7889, 3.4905
Hunter-Lab	68.1812, -21.4236, 36.7418

# Details

The XYZ color **37.3921, 46.4867, 12.6323** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.9913, 9.8141, 49.8222**, and the grayscale version is **39.4621, 41.5172, 45.2123**.

A 20% lighter version of the original color is **70.4626, 84.8340, 31.3997**, and **16.7078, 21.8910, 3.4309** is the 20% darker color. If you saturate the color by 10%, you get **36.4014, 46.0351, 9.9851**, and if you desaturate by 10%, it is **38.5819, 47.0222, 16.2762**.

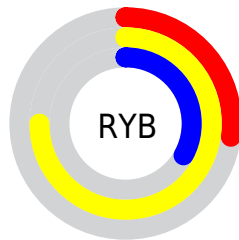
# Distribution



Red (69%)

Green (75%)

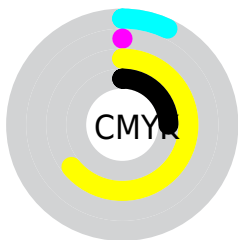
Blue (27%)



Red (27%)

Yellow (75%)

Blue (33%)

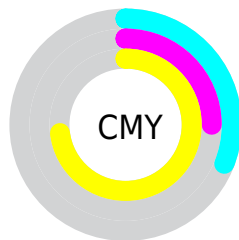


Cyan (7%)

Magenta (0%)

Yellow (64%)

Black (25%)



Cyan (31%)

Magenta (25%)


Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3921, 46.4867, 12.6323 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 XYZ color 37.3921, 46.4867, 12.6323 by changing the saturation by 10% instead.





 37.3921, 46.4867,  
12.6323


 37.3921, 46.4867,  
12.6323


326.3311,  
372.7619, 219.6719


 25.6863, 32.6301,  
7.0481


 70.4853, 84.9469,  
31.3230

 16.7205, 21.8432,  
3.4133


 92.6035, 110.3193,  
45.2667


 10.1295, 13.7417,  
1.3093


 118.9231,  
140.2990, 62.8338

 5.5478, 7.9413,  
0.0694

 149.8096,  
175.2705, 84.4431

 2.6102, 4.0574,  
0.0000

 185.6283,  
215.6181, 110.5130

 0.9511, 1.7057,  
0.0000

226.7445,

 0.0000, 0.4274,

261.7263, 141.4621

0.0000

273.5237,  
313.9794, 177.7089

■ 0.0000, 0.0000,  
0.0000

■ 37.3921, 46.4867,  
12.6323

■ 37.3921, 46.4867,  
12.6323

■ 36.4014, 46.0351,  
9.9851

■ 38.5819, 47.0222,  
16.2762

■ 35.5877, 45.6536,  
8.2329

■ 39.9838, 47.6418,  
20.9997

■ 34.9294, 45.3351,  
7.2575

■ 41.6135, 48.3535,  
26.8804

■ 34.5656, 45.1553,  
6.8940

■ 43.4843, 49.1626,  
33.9879

■ 45.6084, 50.0739,  
42.3864

■ 47.9972, 51.0920,  
52.1355

■ 50.6612, 52.2212,  
63.2913

■ 53.6107, 53.4656,  
75.9064

■ 56.8550, 54.8288,  
90.0310

# Harmonies

## Analogous

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



47.8905, 46.4867, 11.5783



37.3921, 46.4867, 12.6323



30.0133, 46.4867, 21.0874

# Triad

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



37.3921, 46.4867, 12.6323



32.0760, 46.4867, 111.8119



68.1442, 46.4867, 61.6658

# Complementary

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



37.3921, 46.4867, 12.6323



14.9913, 9.8141, 49.8222

# 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.



62.2331, 46.4867, 99.6041



37.3921, 46.4867, 12.6323



40.6742, 46.4867, 135.4731

# Square

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



37.3921, 46.4867, 12.6323



27.3112, 46.4867, 74.0647



51.7527, 46.4867, 130.2660



66.8766, 46.4867, 32.7264



# Rectangle

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



37.3921, 46.4867, 12.6323



27.2994, 46.4867, 32.8221



51.7527, 46.4867, 130.2660



66.8981, 46.4867, 73.8999

# Sweetspot

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



37.3932, 46.4888, 12.6333



80.4218, 89.7839, 67.9518



25.2609, 17.2778, 7.6344



17.4212, 19.6132, 13.9850



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



37.3932, 46.4888, 12.6333



65.4027, 83.1581, 16.7914



26.8794, 41.0688, 12.1412



10.2106, 11.0630, 10.1738



23.0255, 30.0460, 4.5859



0.9331, 1.1930, 0.1811



# Inverse Universe

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



14.9913, 9.8141, 49.8222



21.8292, 11.6573, 89.3787



22.5108, 13.6905, 50.1741



9.1163, 9.2768, 11.9823



6.4353, 2.6036, 32.5563



0.2864, 0.1197, 1.2769



# Previews

## White Background



This preview shows how the XYZ color 37.3921, 46.4867, 12.6323 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



This preview shows how the XYZ color 37.3921, 46.4867, 12.6323 looks on a 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](#).

**XYZ 37.3921, 46.4867, 12.6323**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3921, 46.4867, 12.6323.



This preview shows how white text looks on a background with the XYZ color 37.3921, 46.4867,



# 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



### Original Color

37.3921, 46.4867, 12.6323

### Protanopia

42.0982, 46.4177, 12.0509

### Deuteranopia

47.0739, 46.0206, 13.0584



## Tritanopia

46.1739, 46.3379, 56.3797

# Trichromacy



## Original Color

37.3921, 46.4867, 12.6323

## Protanomaly

40.3847, 46.4527, 12.3066

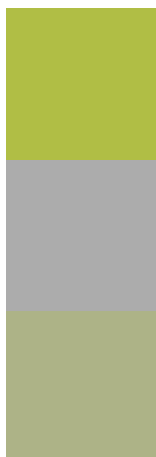
## Deuteranomaly

43.0548, 45.9866, 12.9104

## Tritanomaly

41.7616, 45.7528, 34.2339

# Monochromacy



## Original Color

37.3921, 46.4867, 12.6323

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

37.7269, 42.8737, 29.2087

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3921, 46.4867, 12.6323 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 `rgb(176, 190, 69)` looks like.

```
.text, #text, p{  
    color:rgb(176, 190, 69)  
}
```

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 rgb(176, 190, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 190, 69) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3921, 46.4867, 12.6323 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 rgb(176, 190, 69) }
```



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

```
.border{ border-color:rgb(176, 190, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 190, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 190, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 190, 69);  
box-shadow:4px 4px 4px 4px rgb(176, 190,  
69) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3921, 46.4867, 12.6323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 190, 69) }
```

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

```
.background{ background-color: rgb(176,  
190, 69) }
```

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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