

# Converting Colors

XYZ(37.4600, 46.2885, 6.9602)

Have a look what the booklet for  
XYZ(37.4600, 46.2885, 6.9602)  
contains.

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# Color

**XYZ(37.4890, 46.3403,  
6.9687)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6BD00
RGB	182, 189, 0
RGB Percent	71%, 74%, 0%
CMY	0.2863, 0.2588, 0.9999
CMYK	0.04, 0.00, 1.00, 0.26
HSL	62°, 100%, 37%
HSV	62°, 100%, 74%
XYZ	37.4890, 46.3403, 6.9687
YIQ	165.3610, 56.4970, -60.2630

# Conversions

## Conversions Part 2

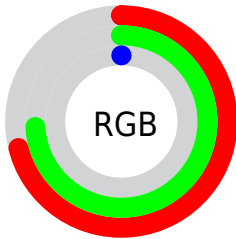
Format	Color
R <sub>Y</sub> B	0, 189, 7
Decimal	11975936
CIE Lab	73.77, -20.24, 74.77
CIE LCh	74, 77.458, 105.146
Yxy	46.3403, 0.4129, 0.5104
Android (android.graphics.Color)	4290166016 (0xFFB6BD00)
YUV	165.3610, -81.5230, 14.5924
Hunter-Lab	68.0737, -20.8269, 41.5821

# Details

The XYZ color **37.4890, 46.3403, 6.9687** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.2741, 3.7201, 48.3763**, and the grayscale version is **36.3007, 38.1911, 41.5902**.

A 20% lighter version of the original color is **70.7556, 84.7761, 20.4188**, and **17.1163, 21.8934, 3.3237** is the 20% darker color. If you saturate the color by 10%, you get **37.4898, 46.3423, 6.9690**, and if you desaturate by 10%, it is **37.7727, 46.4747, 7.5923**.

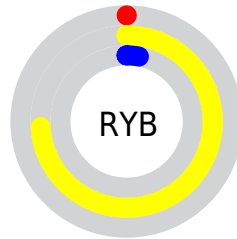
# Distribution



Red (71%)

Green (74%)

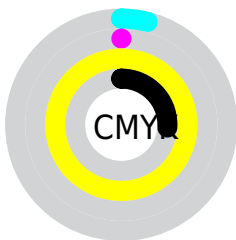
Blue (0%)



Red (0%)

Yellow (74%)

Blue (3%)

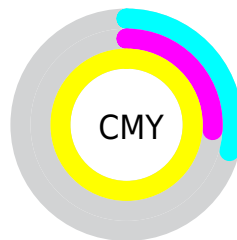


Cyan (4%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (29%)

Magenta (26%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4890, 46.3403, 6.9687 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 37.4890, 46.3403, 6.9687 by changing the saturation by 10% instead.



37.4890, 46.3403,  
6.9687

37.4890, 46.3403,  
6.9687

326.7417,  
372.1751, 177.0244

25.7617, 32.5144,  
3.3644

70.6332, 84.7281,  
20.4220

16.7772, 21.7547,  
1.2836

92.7808, 110.0587,  
31.1081

10.1701, 13.6768,  
0.0483

119.1326,  
139.9932, 44.9918

5.5750, 7.8962,  
0.0000

150.0540,  
174.9157, 62.4918

2.6266, 4.0286,  
0.0000

185.9102,  
215.2108, 84.0265

0.9595, 1.6896,  
0.0000

227.0667,

0.0000, 0.4169,

261.2628, 110.0144

0.0000

273.8887,  
313.4561, 140.8743

■ 0.0000, 0.0000,  
0.0000

■ 37.4890, 46.3403,  
6.9687

■ 37.4890, 46.3403,  
6.9687

■ 37.4898, 46.3423,  
6.9690

■ 37.7727, 46.4747,  
7.5923

■ 38.1696, 46.6527,  
8.8118

■ 38.7218, 46.8929,  
10.8451

■ 39.4500, 47.2037,  
13.8009

■ 40.3717, 47.5919,  
17.7716

■ 41.5024, 48.0638,  
22.8380

■ 42.8558, 48.6249,  
29.0732

■ 44.4447, 49.2803,  
36.5436

■ 46.2806, 50.0346,  
45.3109

# Harmonies

## Analogous

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



51.1805, 46.3403, 6.9421



37.4890, 46.3403, 6.9687



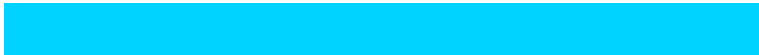
27.8283, 46.3403, 13.6662

# Triad

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



37.4890, 46.3403, 6.9687



27.8983, 46.3403, 125.4685



74.8800, 46.3403, 72.4767

# Complementary

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



37.4890, 46.3403, 6.9687



9.2741, 3.7201, 48.3763

# 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.



65.5843, 46.3403, 124.9696



37.4890, 46.3403, 6.9687



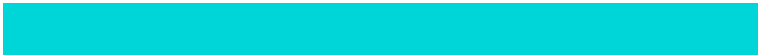
37.6057, 46.3403, 164.8176

# Square

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



37.4890, 46.3403, 6.9687



23.1278, 46.3403, 72.9510



51.3241, 46.3403, 164.5984



74.8305, 46.3403, 33.1388



# Rectangle

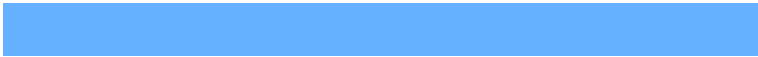
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.4890, 46.3403, 6.9687



24.1388, 46.3403, 24.8433



51.3241, 46.3403, 164.5984



72.6713, 46.3403, 89.4666

# Sweetspot

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



37.4900, 46.3425, 6.9697



76.6215, 87.0288, 51.4681



21.0563, 10.9567, 1.0057



16.2484, 18.6205, 10.0088



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



37.4900, 46.3425, 6.9697



67.0927, 82.9697, 12.4786



22.2436, 38.4826, 6.2561



10.2863, 11.1020, 10.1774



25.2376, 31.1863, 4.6894



0.9996, 1.2273, 0.1842



# Inverse Universe

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



9.2741, 3.7201, 48.3763



16.5645, 6.6389, 86.6346



14.5319, 6.4307, 48.6224



9.0483, 9.2418, 11.9792



6.2535, 2.5099, 32.5478



0.2563, 0.1042, 1.2755



# Previews

## White Background



This preview shows how the XYZ color 37.4890, 46.3403, 6.9687 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 37.4890, 46.3403, 6.9687 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 37.4890, 46.3403, 6.9687**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.4890, 46.3403, 6.9687.



This preview shows how white text looks on a background with the XYZ color 37.4890, 46.3403,



# 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

37.4890, 46.3403, 6.9687

### Deuteranopia

47.3000, 46.2568, 7.6638

### Tritanopia

47.2163, 46.3269, 54.5975

# Trichromacy



## Original Color

37.4890, 46.3403, 6.9687

## Deuteranomaly

43.1893, 45.8849, 7.1964

## Tritanomaly

41.1492, 45.3510, 24.3541

# Monochromacy



## Original Color

37.4890, 46.3403, 6.9687

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

34.4804, 39.9500, 19.2584

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4890, 46.3403, 6.9687 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(182, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(182, 189, 0)  
}
```

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(182, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 189, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4890, 46.3403, 6.9687 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(182, 189, 0) }
```

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

```
.border{ border-color:rgb(182, 189, 0) }
```

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

Here you see how a box with a 4 pixel rgb(182, 189, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 189,  
0) }
```



# Background

The CSS property to change the background color of an element to XYZ 37.4890, 46.3403, 6.9687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 189, 0) }
```

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

```
.background{ background-color: rgb(182,  
189, 0) }
```

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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