

Converting Colors

XYZ(36.9863, 39.1613, 5.7693)

Have a look what the booklet for
XYZ(36.9863, 39.1613, 5.7693)
contains.

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Color

**XYZ(36.7767, 38.9292,
5.7480)**

Conversions

Conversions Part 1

Format	Color
Hex	C6A506
RGB	198, 165, 6
RGB Percent	78%, 65%, 2%
CMY	0.2235, 0.3529, 0.9764
CMYK	0.00, 0.17, 0.97, 0.22
HSL	50°, 94%, 40%
HSV	50°, 97%, 78%
XYZ	36.7767, 38.9292, 5.7480
YIQ	156.7410, 70.7070, -42.4530

Conversions

Conversions Part 2

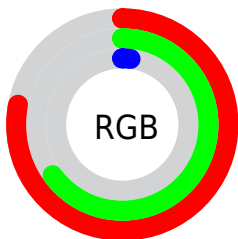
Format	Color
R _Y B	46, 198, 6
Decimal	13018374
CIE Lab	68.70, -0.74, 71.01
CIE LCh	69, 71.012, 90.597
Yxy	38.9292, 0.4515, 0.4779
Android (android.graphics.Color)	4291208454 (0xFFC6A506)
YUV	156.7410, -74.3153, 36.1841
Hunter-Lab	62.3933, -3.9743, 38.2132

Details

The XYZ color **36.7767, 38.9292, 5.7480** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **10.9940, 5.5675, 53.9208**, and the grayscale version is **32.2342, 33.9128, 36.9311**.

A 20% lighter version of the original color is **68.2445, 73.0109, 17.8928**, and **16.6648, 17.5236, 2.5041** is the 20% darker color. If you saturate the color by 10%, you get **36.5589, 38.5465, 5.5134**, and if you desaturate by 10%, it is **37.5510, 40.2357, 6.7535**.

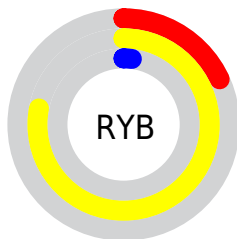
Distribution



Red (78%)

Green (65%)

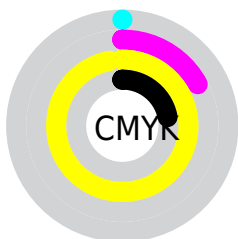
Blue (2%)



Red (18%)

Yellow (78%)

Blue (2%)

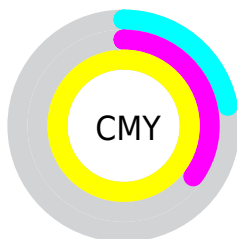


Cyan (0%)

Magenta (17%)

Yellow (97%)

Black (22%)



Cyan (22%)


Magenta (35%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7767, 38.9292, 5.7480 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 36.7767, 38.9292, 5.7480 by changing the saturation by 10% instead.


 36.7767, 38.9292,
5.7480


 36.7767, 38.9292,
5.7480


323.7151,
341.5894, 166.0278

 25.2075, 26.7047,
2.6262


 69.5453, 73.5301,
17.8741

 16.3613, 17.3515,
0.9059

 91.4754, 96.6753,
27.7155


 9.8726, 10.4854,
0.0000


 117.5899,
124.2295, 40.6337

 5.3762, 5.7220,
0.0000

 148.2541,
156.5771, 57.0475

 2.5067, 2.6768,
0.0000

 183.8333,
194.1025, 77.3752

 0.8986, 0.9654,
0.0000

 224.6930,

 0.0000, 0.0000,

237.1901, 102.0355

0.0000

271.1985,
286.2243, 131.4468

■ 36.7767, 38.9292,
5.7480

■ 36.7767, 38.9292,
5.7480

■ 36.5589, 38.5465,
5.5134

■ 37.5510, 40.2357,
6.7535

■ 38.4906, 41.6330,
8.5523

■ 39.6263, 43.1353,
11.3015

■ 40.9800, 44.7516,
15.1170

■ 42.5709, 46.4896,
20.0979

■ 44.4156, 48.3563,
26.3324

■ 46.5295, 50.3579,
33.8997

■ 48.9263, 52.5001,
42.8729

■ 51.6192, 54.7885,
53.3193

Harmonies

Analogous

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



48.6457, 38.9292, 8.1161



36.7767, 38.9292, 5.7480



27.0636, 38.9292, 8.3318

Triad

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



36.7767, 38.9292, 5.7480



21.3542, 38.9292, 82.2928



59.1780, 38.9292, 80.5696

Complementary

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



36.7767, 38.9292, 5.7480



10.9940, 5.5675, 53.9208

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.



49.1144, 38.9292, 120.9993



36.7767, 38.9292, 5.7480



27.3809, 38.9292, 122.2995

Square

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



36.7767, 38.9292, 5.7480



19.3382, 38.9292, 43.0343



37.2263, 38.9292, 139.1561



63.0620, 38.9292, 41.7467

Rectangle

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



36.7767, 38.9292, 5.7480



22.6997, 38.9292, 14.0052



37.2263, 38.9292, 139.1561



56.3172, 38.9292, 95.0007

Sweetspot

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



36.7776, 38.9311, 5.7488



81.4245, 88.2760, 56.4904



23.7577, 12.2978, 3.2387



17.0797, 18.5654, 10.8416



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.7776, 38.9311, 5.7488



64.5782, 67.9365, 9.7094



30.5768, 45.7366, 7.3892



11.3628, 12.0948, 11.2984



23.8306, 25.1784, 3.6039



1.1705, 1.2764, 0.1847

Inverse Universe

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



10.9940, 5.5675, 53.9208



18.9441, 9.0082, 95.3480



12.5599, 5.3943, 53.8048



10.2016, 10.5772, 13.4214



7.0452, 3.4842, 35.0456



0.3805, 0.2587, 1.6750

Previews

White Background



This preview shows how the XYZ color 36.7767, 38.9292, 5.7480 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 36.7767, 38.9292, 5.7480 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 36.7767, 38.9292, 5.7480

Background



This preview shows how black text looks on a background with the XYZ color 36.7767, 38.9292, 5.7480.



This preview shows how white text looks on a background with the XYZ color 36.7767, 38.9292,

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

36.7767, 38.9292, 5.7480

Protanopia

35.0382, 38.8438, 5.9093

Deuteranopia

39.6587, 38.8370, 5.9783



Tritanopia

43.9149, 38.7645, 40.7650

Trichromacy



Original Color

36.7767, 38.9292, 5.7480

Protanomaly

35.6008, 38.8614, 5.8544

Deuteranomaly

38.5563, 38.7868, 5.8699

Tritanomaly

39.6127, 38.0128, 19.1593

Monochromacy



Original Color

36.7767, 38.9292, 5.7480

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.9823, 34.8716, 17.6156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7767, 38.9292, 5.7480 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(198, 165, 6)` looks like.

```
.text, #text, p{  
    color:rgb(198, 165, 6)  
}
```

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(198, 165, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 165, 6) }
```

Border

The CSS property to change the border of an element to XYZ 36.7767, 38.9292, 5.7480 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(198, 165, 6) }
```


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

```
.border{ border-color:rgb(198, 165, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 165, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 165, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 165, 6);  
box-shadow:4px 4px 4px 4px rgb(198, 165,  
6) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7767, 38.9292, 5.7480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 165, 6) }
```

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

```
.background{ background-color: rgb(198,  
165, 6) }
```

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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