

# Converting Colors

XYZ(36.9650, 37.5896, 11.1016)

Have a look what the booklet for  
XYZ(36.9650, 37.5896, 11.1016)  
contains.

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# Color

**XYZ(36.9650, 37.5896,  
11.1016)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6A046
RGB	198, 160, 70
RGB Percent	78%, 63%, 27%
CMY	0.2235, 0.3725, 0.7255
CMYK	0.00, 0.19, 0.65, 0.22
HSL	42°, 53%, 53%
HSV	42°, 65%, 78%
XYZ	36.9650, 37.5896, 11.1016
YIQ	161.1020, 51.5380, -19.9340

# Conversions

## Conversions Part 2

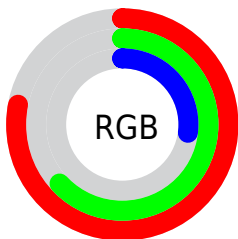
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 198, 70
Decimal	13017158
CIELab	67.72, 4.12, 50.91
CIELCh	68, 51.072, 85.375
Yxy	37.5896, 0.4316, 0.4388
Android (android.graphics.Color)	4291207238 (0xFFC6A046)
YUV	161.1020, -44.9133, 32.3595
Hunter-Lab	61.3104, 0.3274, 32.1815

# Details

The XYZ color **36.9650, 37.5896, 11.1016** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **18.0812, 16.1038, 55.5811**, and the grayscale version is **34.1101, 35.8865, 39.0804**.

A 20% lighter version of the original color is **69.0533, 71.2660, 28.5286**, and **16.5394, 16.6345, 2.7910** is the 20% darker color. If you saturate the color by 10%, you get **35.4454, 35.3913, 8.0036**, and if you desaturate by 10%, it is **38.7405, 39.9703, 15.3021**.

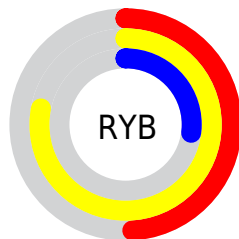
# Distribution



Red (78%)

Green (63%)

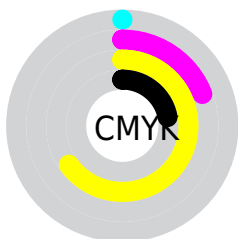
Blue (27%)



Red (49%)

Yellow (78%)

Blue (27%)

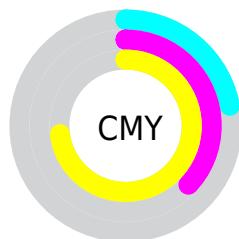


Cyan (0%)

Magenta (19%)

Yellow (65%)

Black (22%)



Cyan (22%)

Magenta (37%)


Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9650, 37.5896, 11.1016 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 36.9650, 37.5896, 11.1016 by changing the saturation by 10% instead.





 36.9650, 37.5896,  
11.1016


 36.9650, 37.5896,  
11.1016


324.5171,  
335.8562, 209.1257


 25.3539, 25.6643,  
6.0202


 69.8331, 71.4787,  
28.4874

 16.4711, 16.5727,  
2.7884


 91.8209, 94.2112,  
41.6289


 9.9511, 9.9303,  
0.9876


 117.9983,  
121.3150, 58.2941

 5.4285, 5.3528,  
0.0000

 148.7307,  
153.1745, 78.9016

 2.5382, 2.4557,  
0.0000

 184.3834,  
190.1739, 103.8700

 0.9145, 0.8543,  
0.0000

225.3218,

 0.0000, 0.0000,

232.6977, 133.6178

0.0000

271.9113,  
281.1303, 168.5635

■ 36.9650, 37.5896,  
11.1016

■ 36.9650, 37.5896,  
11.1016

■ 35.4454, 35.3913,  
8.0036

■ 38.7405, 39.9703,  
15.3021

■ 34.1574, 33.3601,  
5.8943

■ 40.7883, 42.5366,  
20.6993

■ 33.0753, 31.4863,  
4.6389

■ 43.1262, 45.2981,  
27.3798

■ 32.5540, 30.5365,  
4.1784

■ 45.7694, 48.2618,  
35.4217

■ 48.7323, 51.4345,  
44.8966

■ 52.0279, 54.8223,  
55.8713

■ 55.6688, 58.4312,  
68.4080

■ 59.6667, 62.2668,  
82.5658

■ 64.0327, 66.3344,  
98.4004

# Harmonies

## Analogous

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



45.0592, 37.5896, 14.5769



36.9650, 37.5896, 11.1016



29.6132, 37.5896, 12.8866

# Triad

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



36.9650, 37.5896, 11.1016



23.6994, 37.5896, 62.5127



49.7213, 37.5896, 70.9102

# Complementary

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



36.9650, 37.5896, 11.1016



18.0812, 16.1038, 55.5811

# 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.



42.6310, 37.5896, 94.0694



36.9650, 37.5896, 11.1016



27.7828, 37.5896, 88.0993

# Square

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



36.9650, 37.5896, 11.1016



22.6400, 37.5896, 37.5245



34.5185, 37.5896, 101.3007



53.0817, 37.5896, 44.5327



# Rectangle

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



36.9650, 37.5896, 11.1016



25.9821, 37.5896, 17.3669



34.5185, 37.5896, 101.3007



47.6486, 37.5896, 79.6617

# Sweetspot

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



36.9659, 37.5914, 11.1023



83.7900, 88.4279, 71.3955



28.2071, 17.4776, 16.1865



17.6124, 18.5806, 14.2568



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.



36.9659, 37.5914, 11.1023



61.6870, 61.0081, 12.2787



38.4007, 49.6461, 13.3535



11.2478, 11.8648, 11.2601



21.2482, 20.0137, 2.7431



1.0670, 1.0694, 0.1502



# Inverse Universe

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



18.0812, 16.1038, 55.5811



25.8333, 20.3572, 97.1755



17.1654, 10.9231, 54.6294



10.3090, 10.7921, 13.4572



7.7040, 4.8019, 35.2652



0.4290, 0.3557, 1.6912



# Previews

## White Background



This preview shows how the XYZ color 36.9650, 37.5896, 11.1016 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 36.9650, 37.5896, 11.1016 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 36.9650, 37.5896, 11.1016**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.9650, 37.5896, 11.1016.



This preview shows how white text looks on a background with the XYZ color 36.9650, 37.5896,



# 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

36.9650, 37.5896, 11.1016

### Protanopia

34.3920, 37.5685, 11.5697

### Deuteranopia

38.3711, 37.5480, 11.1863



## Tritanopia

42.6048, 37.4005, 39.1559

# Trichromacy



## Original Color

36.9650, 37.5896, 11.1016

## Protanomaly

35.2208, 37.4681, 11.3370

## Deuteranomaly

37.7213, 37.4652, 11.2046

## Tritanomaly

39.8752, 37.2527, 25.8577

# Monochromacy



## Original Color

36.9650, 37.5896, 11.1016

## Achromatopsia

33.8758, 35.6400, 38.8120

## Achromatomaly

34.0967, 36.0469, 25.5827

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.9650, 37.5896, 11.1016 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, 160, 70)` looks like.

```
.text, #text, p{  
    color:rgb(198, 160, 70)  
}
```

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, 160, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 160, 70) }
```

## Border

The CSS property to change the border of an element to XYZ 36.9650, 37.5896, 11.1016 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, 160, 70) }
```



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

```
.border{ border-color:rgb(198, 160, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 160, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 160, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 160, 70);  
box-shadow:4px 4px 4px 4px rgb(198, 160,  
70) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.9650, 37.5896, 11.1016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 160, 70) }
```

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

```
.background{ background-color: rgb(198,  
160, 70) }
```

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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