

Converting Colors

XYZ(38.7294, 36.9799, 10.5342)

Have a look what the booklet for
XYZ(38.7294, 36.9799, 10.5342)
contains.

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Color

**XYZ(38.6114, 36.9385,
10.5636)**

Conversions

Conversions Part 1

Format	Color
Hex	D09A44
RGB	208, 154, 68
RGB Percent	82%, 60%, 27%
CMY	0.1843, 0.3961, 0.7333
CMYK	0.00, 0.26, 0.67, 0.18
HSL	37°, 60%, 54%
HSV	37°, 67%, 82%
XYZ	38.6114, 36.9385, 10.5636
YIQ	160.3420, 59.7900, -15.2980

Conversions

Conversions Part 2

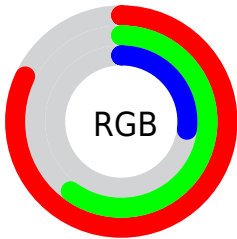
Format	Color
RYB	156, 208, 68
Decimal	13670980
CIELab	67.23, 11.55, 51.60
CIELCh	67, 52.879, 77.380
Yxy	36.9385, 0.4484, 0.4290
Android (android.graphics.Color)	4291861060 (0xFFD09A44)
YUV	160.3420, -45.5246, 41.7961
Hunter-Lab	60.7771, 7.0404, 32.2388

Details

The XYZ color **38.6114, 36.9385, 10.5636** 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 **20.7281, 19.7011, 62.3842**, and the grayscale version is **33.7568, 35.5148, 38.6756**.

A 20% lighter version of the original color is **67.1860, 67.7278, 27.3010**, and **17.5006, 16.2136, 2.5879** is the 20% darker color. If you saturate the color by 10%, you get **36.8058, 34.1695, 7.3663**, and if you desaturate by 10%, it is **40.7323, 39.9782, 14.9774**.

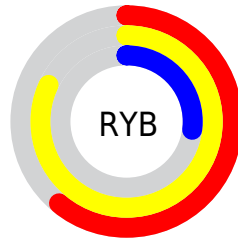
Distribution



Red (82%)

Green (60%)

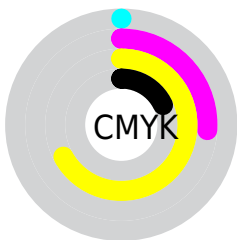
Blue (27%)



Red (61%)

Yellow (82%)

Blue (27%)

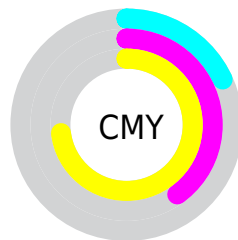


Cyan (0%)

Magenta (26%)

Yellow (67%)

Black (18%)



Cyan (18%)


Magenta (40%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6114, 36.9385, 10.5636 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 38.6114, 36.9385, 10.5636 by changing the saturation by 10% instead.


 38.6114, 36.9385,
10.5636


 38.6114, 36.9385,
10.5636

331.4712,
333.0442, 205.2774


 26.6369, 25.1599,
5.6638


 72.3422, 70.4782,
27.4745

 17.4359, 16.1962,
2.5763


 94.8292, 93.0080,
40.3227


 10.6430, 9.6631,
0.8802


 121.5511,
119.8904, 56.6574

 5.8928, 5.1762,
0.0000

 152.8732,
151.5097, 76.8971

 2.8201, 2.3510,
0.0000

 189.1609,
188.2504, 101.4604

 1.0593, 0.8005,
0.0000

230.7796,

 0.0000, 0.0000,

230.4967, 130.7659

0.0000

278.0945,
278.6332, 165.2320

■ 38.6114, 36.9385,
10.5636

■ 38.6114, 36.9385,
10.5636

■ 36.8058, 34.1695,
7.3663

■ 40.7323, 39.9782,
14.9774

■ 35.2862, 31.6522,
5.2507

■ 43.1892, 43.2951,
20.7190

■ 34.0176, 29.3713,
4.0372

■ 46.0033, 46.9017,
27.8892

■ 33.7026, 28.7906,
3.7808

■ 49.1933, 50.8081,
36.5784

■ 52.7764, 55.0237,
46.8697

■ 56.7687, 59.5571,
58.8399

■ 61.1851, 64.4168,
72.5609

■ 66.0399, 69.6107,
88.1003

■ 71.3141, 75.1336,
105.3513

Harmonies

Analogous

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



46.7056, 36.9385, 15.5718



38.6114, 36.9385, 10.5636



30.6728, 36.9385, 10.9604

Triad

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



38.6114, 36.9385, 10.5636



22.2792, 36.9385, 55.0161



47.8169, 36.9385, 78.4640

Complementary

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



38.6114, 36.9385, 10.5636



20.7281, 19.7011, 62.3842

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.



39.9534, 36.9385, 99.3236



38.6114, 36.9385, 10.5636



25.6108, 36.9385, 82.6111

Square

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



38.6114, 36.9385, 10.5636



22.0337, 36.9385, 31.2663



31.8250, 36.9385, 101.0797



52.5423, 36.9385, 50.7375

Rectangle

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



38.6114, 36.9385, 10.5636



26.5021, 36.9385, 14.2244



31.8250, 36.9385, 101.0797



45.4026, 36.9385, 86.9061

Sweetspot

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



38.6123, 36.9403, 10.5643



81.9421, 85.2258, 69.2581



31.7176, 18.9996, 21.0647



17.1907, 17.8331, 13.8209



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.



38.6123, 36.9403, 10.5643



57.1788, 52.2691, 9.9205



45.8472, 56.9981, 14.0545



12.4046, 12.9999, 12.4675



21.1016, 18.1362, 2.3885



1.2555, 1.1653, 0.1588

Inverse Universe

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



20.7281, 19.7011, 62.3842



27.0239, 23.3268, 97.6859



16.9322, 10.4825, 60.8049



11.5322, 12.1546, 14.9819



8.9810, 6.6085, 37.9947



0.5782, 0.5215, 2.1498

Previews

White Background



This preview shows how the XYZ color 38.6114, 36.9385, 10.5636 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 38.6114, 36.9385, 10.5636 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 38.6114, 36.9385, 10.5636

Background



This preview shows how black text looks on a background with the XYZ color 38.6114, 36.9385, 10.5636.



This preview shows how white text looks on a background with the XYZ color 38.6114, 36.9385,

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

38.6114, 36.9385, 10.5636

Protanopia

33.7042, 36.9509, 11.3171

Deuteranopia

37.8034, 37.0196, 10.4632



Tritanopia

43.8577, 36.9472, 36.2725

Trichromacy



Original Color

38.6114, 36.9385, 10.5636

Protanomaly

35.1622, 36.6602, 11.0172

Deuteranomaly

37.9113, 36.8271, 10.4204

Tritanomaly

41.3794, 36.6321, 23.9586

Monochromacy



Original Color

38.6114, 36.9385, 10.5636

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.1891, 35.3331, 25.0967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6114, 36.9385, 10.5636 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(208, 154, 68)` looks like.

```
.text, #text, p{  
    color:rgb(208, 154, 68)  
}
```

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(208, 154, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 154, 68) }
```

Border

The CSS property to change the border of an element to XYZ 38.6114, 36.9385, 10.5636 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(208, 154, 68) }
```


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

```
.border{ border-color:rgb(208, 154, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 154, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 154, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 154, 68);  
box-shadow:4px 4px 4px 4px rgb(208, 154,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6114, 36.9385, 10.5636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 154, 68) }
```

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

```
.background{ background-color: rgb(208,  
154, 68) }
```

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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