

Converting Colors

XYZ(36.8733, 36.7384, 10.6862)

Have a look what the booklet for
XYZ(36.8733, 36.7384, 10.6862)
contains.

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Color

**XYZ(36.9198, 36.8107,
10.6281)**

Conversions

Conversions Part 1

Format	Color
Hex	C89D44
RGB	200, 157, 68
RGB Percent	78%, 62%, 27%
CMY	0.2157, 0.3843, 0.7333
CMYK	0.00, 0.21, 0.66, 0.22
HSL	40°, 55%, 53%
HSV	40°, 66%, 78%
XYZ	36.9198, 36.8107, 10.6281
YIQ	159.7110, 54.1970, -18.5630

Conversions

Conversions Part 2

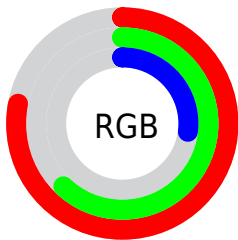
Format	Color
RYB	132, 200, 68
Decimal	13147460
CIELab	67.13, 6.48, 51.25
CIElCh	67, 51.657, 82.795
Yxy	36.8107, 0.4377, 0.4364
Android (android.graphics.Color)	4291337540 (0xFFC89D44)
YUV	159.7110, -45.2135, 35.3335
Hunter-Lab	60.6718, 2.4445, 32.0842

Details

The XYZ color **36.9198, 36.8107, 10.6281** 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 **18.4934, 16.7672, 56.9050**, and the grayscale version is **33.4654, 35.2083, 38.3418**.

A 20% lighter version of the original color is **67.9244, 69.2046, 27.5471**, and **16.3757, 16.0854, 2.5895** is the 20% darker color. If you saturate the color by 10%, you get **35.3377, 34.4625, 7.5860**, and if you desaturate by 10%, it is **38.7705, 39.3633, 14.7875**.

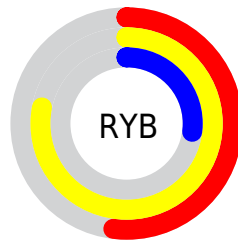
Distribution



Red (78%)

Green (62%)

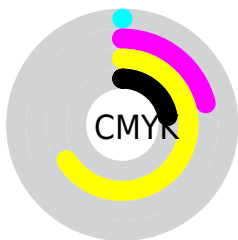
Blue (27%)



Red (52%)

Yellow (78%)

Blue (27%)

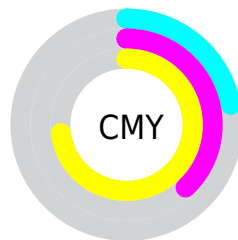


Cyan (0%)

Magenta (21%)

Yellow (66%)

Black (22%)



Cyan (22%)


Magenta (38%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9198, 36.8107, 10.6281 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 36.9198, 36.8107, 10.6281 by changing the saturation by 10% instead.

 36.9198, 36.8107,
10.6281


 36.9198, 36.8107,
10.6281


324.3247,
332.4902, 205.7430


 25.3188, 25.0610,
5.7063


 69.7641, 70.2815,
27.5964


 16.4447, 16.1225,
2.6015


 91.7380, 92.7714,
40.4801


 9.9322, 9.6109,
0.8932


 117.9003,
119.6102, 56.8548

 5.4160, 5.1417,
0.0000

 148.6164,
151.1821, 77.1391

 2.5306, 2.3307,
0.0000

 184.2515,
187.8717, 101.7515

 0.9107, 0.7899,
0.0000

225.1710,

 0.0000, 0.0000,

230.0633, 131.1106

0.0000

271.7403,
278.1414, 165.6349

■ 36.9198, 36.8107,
10.6281

■ 36.9198, 36.8107,
10.6281

■ 35.3377, 34.4625,
7.5860

■ 38.7705, 39.3633,
14.7875

■ 33.9987, 32.3026,
5.5419

■ 40.9073, 42.1244,
20.1628

■ 32.8747, 30.3199,
4.3494

■ 43.3488, 45.1041,
26.8441

■ 32.4632, 29.5670,
3.9960

■ 46.1112, 48.3104,
34.9124

■ 49.2094, 51.7506,
44.4421

■ 52.6572, 55.4315,
55.5022

■ 56.4677, 59.3595,
68.1572

■ 60.6532, 63.5409,
82.4681

■ 65.2253, 67.9815,
98.4926

Harmonies

Analogous

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



44.9576, 36.8107, 14.5252



36.9198, 36.8107, 10.6281



29.4465, 36.8107, 11.9339

Triad

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



36.9198, 36.8107, 10.6281



22.8098, 36.8107, 59.3230



48.4757, 36.8107, 72.4087

Complementary

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



36.9198, 36.8107, 10.6281



18.4934, 16.7672, 56.9050

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.



41.1832, 36.8107, 94.7738



36.9198, 36.8107, 10.6281



26.6124, 36.8107, 85.4506

Square

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



36.9198, 36.8107, 10.6281



22.0204, 36.8107, 34.8874



33.1238, 36.8107, 100.2767



52.2484, 36.8107, 45.7652

Rectangle

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



36.9198, 36.8107, 10.6281



25.6817, 36.8107, 15.9501



33.1238, 36.8107, 100.2767



46.3068, 36.8107, 81.0296

Sweetspot

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



36.9207, 36.8125, 10.6288



82.8268, 86.9951, 69.5530



28.8113, 17.5837, 17.2051



17.4036, 18.2589, 13.8919



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.



36.9207, 36.8125, 10.6288



60.1756, 58.0827, 11.4744



40.0577, 51.1907, 13.2388



11.2215, 11.8121, 11.2513



20.7258, 18.9687, 2.5690



1.0452, 1.0259, 0.1429

Inverse Universe

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



18.4934, 16.7672, 56.9050



26.1639, 21.2251, 97.3256



16.7092, 10.4784, 55.7851



10.3341, 10.8423, 13.4656



7.9091, 5.2121, 35.3335



0.4409, 0.3796, 1.6952

Previews

White Background



This preview shows how the XYZ color 36.9198, 36.8107, 10.6281 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 36.9198, 36.8107, 10.6281 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 36.9198, 36.8107, 10.6281

Background



This preview shows how black text looks on a background with the XYZ color 36.9198, 36.8107, 10.6281.



This preview shows how white text looks on a background with the XYZ color 36.9198, 36.8107,

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

36.9198, 36.8107, 10.6281

Protanopia

33.6724, 36.9382, 11.1494

Deuteranopia

37.5605, 36.8908, 10.6098



Tritanopia

42.4239, 36.6360, 37.6364

Trichromacy



Original Color

36.9198, 36.8107, 10.6281

Protanomaly

34.8053, 36.7382, 10.8870

Deuteranomaly

37.2890, 36.7508, 10.5971

Tritanomaly

39.7343, 36.4769, 24.6852

Monochromacy



Original Color

36.9198, 36.8107, 10.6281

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.9081, 35.4425, 25.1326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9198, 36.8107, 10.6281 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(200, 157, 68)` looks like.

```
.text, #text, p{  
    color:rgb(200, 157, 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(200, 157, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 157, 68) }
```

Border

The CSS property to change the border of an element to XYZ 36.9198, 36.8107, 10.6281 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(200, 157, 68) }
```


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

```
.border{ border-color:rgb(200, 157, 68) }
```

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

Here you see how a box with a 4 pixel rgb(200, 157, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 157, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 157, 68);  
box-shadow:4px 4px 4px 4px rgb(200, 157,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9198, 36.8107, 10.6281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 157, 68) }
```

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

```
.background{ background-color: rgb(200,  
157, 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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