

Converting Colors

XYZ(34.8883, 33.3125, 10.7910)

Have a look what the booklet for
XYZ(34.8883, 33.3125, 10.7910)
contains.

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Color

**XYZ(34.8921, 33.3411,
10.7273)**

Conversions

Conversions Part 1

Format	Color
Hex	C69348
RGB	198, 147, 72
RGB Percent	78%, 58%, 28%
CMY	0.2235, 0.4235, 0.7176
CMYK	0.00, 0.26, 0.64, 0.22
HSL	36°, 52%, 53%
HSV	36°, 64%, 78%
XYZ	34.8921, 33.3411, 10.7273
YIQ	153.6990, 54.4710, -12.5130

Conversions

Conversions Part 2

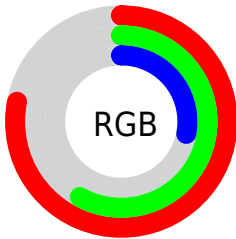
Format	Color
RYB	158, 198, 72
Decimal	13013832
CIELab	64.44, 11.31, 46.31
CIELCh	64, 47.671, 76.281
Yxy	33.3411, 0.4419, 0.4223
Android (android.graphics.Color)	4291203912 (0xFFC69348)
YUV	153.6990, -40.2776, 38.8520
Hunter-Lab	57.7418, 6.8156, 29.4043

Details

The XYZ color **34.8921, 33.3411, 10.7273** 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 **19.9480, 19.6198, 56.1614**, and the grayscale version is **30.7381, 32.3389, 35.2171**.

A 20% lighter version of the original color is **65.7018, 64.4633, 27.7187**, and **15.2253, 14.1790, 2.6438** is the 20% darker color. If you saturate the color by 10%, you get **33.1444, 30.7184, 7.4550**, and if you desaturate by 10%, it is **36.9362, 36.2239, 15.1250**.

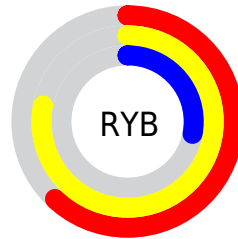
Distribution



Red (78%)

Green (58%)

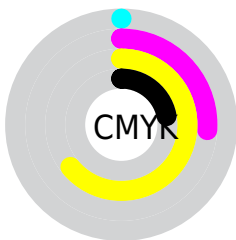
Blue (28%)



Red (62%)

Yellow (78%)

Blue (28%)

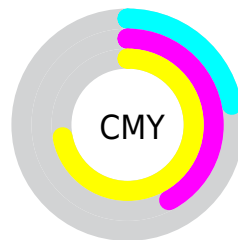


Cyan (0%)

Magenta (26%)

Yellow (64%)

Black (22%)



Cyan (22%)

Magenta (42%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8921, 33.3411, 10.7273 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 34.8921, 33.3411, 10.7273 by changing the saturation by 10% instead.

■ 34.8921, 33.3411,
10.7273

■ 34.8921, 33.3411,
10.7273

315.6082,
317.1840, 206.4568

■ 23.7459, 22.3879,
5.7719

■ 66.6537, 64.9077,
27.7837

■ 15.2689, 14.1422,
2.6404

■ 87.9998, 86.2899,
40.7218

■ 9.0959, 8.2196,
0.9132

■ 113.4766,
111.9172, 57.1578

■ 4.8614, 4.2358,
0.0000

■ 143.4494,
142.1739, 77.5104

■ 2.2001, 1.8063,
0.0000

■ 178.2836,
177.4446, 102.1981

■ 0.7428, 0.4911,
0.0000

218.3446,

■ 0.0000, 0.0000,

218.1136, 131.6393

0.0000

263.9977,
264.5652, 166.2527

■ 34.8921, 33.3411,
10.7273

■ 34.8921, 33.3411,
10.7273

■ 33.1444, 30.7184,
7.4550

■ 36.9362, 36.2239,
15.1250

■ 31.6682, 28.3390,
5.1962

■ 39.2940, 39.3726,
20.7419

■ 30.4373, 26.1910,
3.8186

■ 41.9841, 42.7985,
27.6639

■ 29.7511, 24.9307,
3.2441

■ 45.0228, 46.5106,
35.9686

■ 48.4252, 50.5176,
45.7274

■ 52.2051, 54.8274,
57.0070

■ 56.3760, 59.4479,
69.8696

■ 60.9503, 64.3862,
84.3741

■ 65.9400, 69.6496,
100.5764

Harmonies

Analogous

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



41.6096, 33.3411, 15.4114



34.8921, 33.3411, 10.7273



28.1646, 33.3411, 10.9206

Triad

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



34.8921, 33.3411, 10.7273



20.7254, 33.3411, 47.8416



42.1070, 33.3411, 68.8096

Complementary

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



34.8921, 33.3411, 10.7273



19.9480, 19.6198, 56.1614

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.



35.4973, 33.3411, 85.3992



34.8921, 33.3411, 10.7273



23.4868, 33.3411, 70.6377

Square

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



34.8921, 33.3411, 10.7273



20.6117, 33.3411, 28.1282



28.6895, 33.3411, 86.1675



46.1602, 33.3411, 45.9250

Rectangle

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



34.8921, 33.3411, 10.7273



24.5669, 33.3411, 13.7143



28.6895, 33.3411, 86.1675



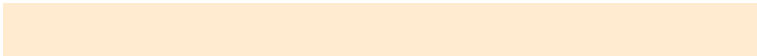
40.0712, 33.3411, 75.6163

Sweetspot

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



34.8929, 33.3427, 10.7279



82.2680, 85.3840, 70.8882



29.2759, 18.1086, 21.1876



17.2429, 17.8417, 14.1336



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.



34.8929, 33.3427, 10.7279



57.7241, 52.8718, 11.6061



41.9797, 51.4837, 13.8560



11.1500, 11.6691, 11.2274



19.4338, 16.3847, 2.1383



0.9899, 0.9153, 0.1245

Inverse Universe

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



19.9480, 19.6198, 56.1614



29.3116, 26.8681, 98.2489



16.0339, 10.5286, 54.6129



10.4032, 10.9805, 13.4886



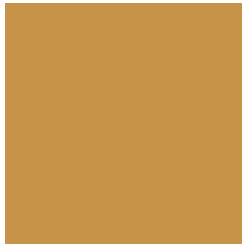
8.5800, 6.5539, 35.5572



0.4770, 0.4518, 1.7072

Previews

White Background



This preview shows how the XYZ color 34.8921, 33.3411, 10.7273 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 34.8921, 33.3411, 10.7273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

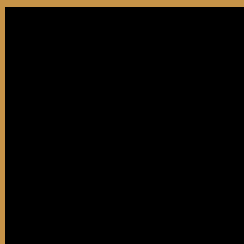
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8921, 33.3411, 10.7273

Background



This preview shows how black text looks on a background with the XYZ color 34.8921, 33.3411, 10.7273.



This preview shows how white text looks on a background with the XYZ color 34.8921, 33.3411,

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

34.8921, 33.3411, 10.7273

Protanopia

30.5606, 33.5062, 11.5132

Deuteranopia

34.1329, 33.4192, 10.6128



Tritanopia

39.5593, 33.4725, 32.8096

Trichromacy



Original Color

34.8921, 33.3411, 10.7273

Protanomaly

31.9187, 33.2220, 11.2088

Deuteranomaly

34.2329, 33.2368, 10.5723

Tritanomaly

37.4813, 33.2830, 22.5379

Monochromacy



Original Color

34.8921, 33.3411, 10.7273

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.2823, 32.1345, 23.6226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8921, 33.3411, 10.7273 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, 147, 72)` looks like.

```
.text, #text, p{  
    color:rgb(198, 147, 72)  
}
```

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, 147, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 147, 72) }
```

Border

The CSS property to change the border of an element to XYZ 34.8921, 33.3411, 10.7273 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, 147, 72) }
```


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

```
.border{ border-color:rgb(198, 147, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 147, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 147, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 147, 72);  
box-shadow:4px 4px 4px 4px rgb(198, 147,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8921, 33.3411, 10.7273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 147, 72) }
```

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

```
.background{ background-color: rgb(198,  
147, 72) }
```

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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