

Converting Colors

XYZ(34.9390, 33.4521, 6.8059)

Have a look what the booklet for
XYZ(34.9390, 33.4521, 6.8059)
contains.

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Color

**XYZ(34.9390, 33.4521,
6.8059)**

Conversions

Conversions Part 1

Format	Color
Hex	C9932A
RGB	201, 147, 42
RGB Percent	79%, 58%, 16%
CMY	0.2118, 0.4235, 0.8353
CMYK	0.00, 0.27, 0.79, 0.21
HSL	40°, 65%, 48%
HSV	40°, 79%, 79%
XYZ	34.9390, 33.4521, 6.8059
YIQ	151.1760, 65.8890, -21.2070

Conversions

Conversions Part 2

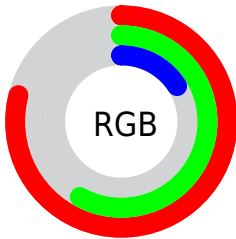
Format	Color
RYB	124, 201, 42
Decimal	13210410
CIELab	64.53, 11.08, 59.46
CIELCh	65, 60.488, 79.443
Yxy	33.4521, 0.4646, 0.4449
Android (android.graphics.Color)	4291400490 (0xFFC9932A)
YUV	151.1760, -53.8238, 43.6956
Hunter-Lab	57.8378, 6.6132, 33.5097

Details

The XYZ color **34.9390, 33.4521, 6.8059** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **15.6802, 13.0746, 56.9551**, and the grayscale version is **29.6953, 31.2418, 34.0223**.

A 20% lighter version of the original color is **64.2380, 63.8778, 20.0103**, and **15.4300, 14.3002, 1.9470** is the 20% darker color. If you saturate the color by 10%, you get **33.6355, 31.2837, 5.0198**, and if you desaturate by 10%, it is **36.4873, 35.8219, 9.5636**.

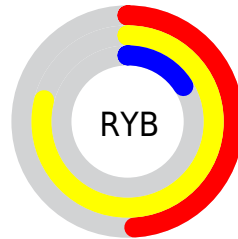
Distribution



Red (79%)

Green (58%)

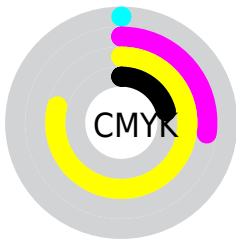
Blue (16%)



Red (49%)

Yellow (79%)

Blue (16%)

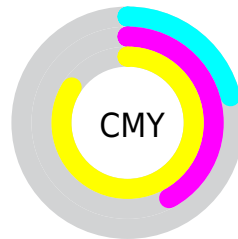


Cyan (0%)

Magenta (27%)

Yellow (79%)

Black (21%)



Cyan (21%)


Magenta (42%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9390, 33.4521, 6.8059 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 34.9390, 33.4521, 6.8059 by changing the saturation by 10% instead.


 34.9390, 33.4521,
6.8059


 34.9390, 33.4521,
6.8059


315.8117,
317.6820, 175.6103


 23.7822, 22.4730,
3.2644


 66.7259, 65.0807,
20.0878

 15.2960, 14.2049,
1.2312

 88.0867, 86.4991,
30.6654


 9.1150, 8.2633,
0.0044


 113.5795,
112.1659, 44.4253

 4.8740, 4.2639,
0.0000

 143.5698,
142.4657, 61.7862

 2.2075, 1.8222,
0.0000

 178.4227,
177.7828, 83.1666

 0.7467, 0.5010,
0.0000

 218.5038,

 0.0000, 0.0000,

218.5016, 108.9851

0.0000

264.1784,
265.0066, 139.6601

■ 34.9390, 33.4521,
6.8059

■ 34.9390, 33.4521,
6.8059

■ 33.6355, 31.2837,
5.0198

■ 36.4873, 35.8219,
9.5636

■ 32.5332, 29.2935,
3.9913

■ 38.3030, 38.3998,
13.4164

■ 32.4394, 29.1217,
3.9113

■ 40.4079, 41.1975,
18.4716

■ 42.8209, 44.2241,
24.8229

■ 45.5588, 47.4880,
32.5547

■ 48.6373, 50.9970,
41.7442

■ 52.0708, 54.7583,
52.4630

■ 55.8728, 58.7789,
64.7776

■ 60.0561, 63.0653,
78.7511

Harmonies

Analogous

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



43.8744, 33.4521, 10.9055



34.9390, 33.4521, 6.8059



26.5767, 33.4521, 7.4491

Triad

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



34.9390, 33.4521, 6.8059



18.5551, 33.4521, 54.6798



46.1706, 33.4521, 76.9742

Complementary

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



34.9390, 33.4521, 6.8059



15.6802, 13.0746, 56.9551

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.



37.6557, 33.4521, 102.2840



34.9390, 33.4521, 6.8059



22.1654, 33.4521, 85.8868

Square

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



34.9390, 33.4521, 6.8059



18.0935, 33.4521, 28.3792



28.8459, 33.4521, 106.1311



51.0962, 33.4521, 45.8605

Rectangle

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



34.9390, 33.4521, 6.8059



22.3606, 33.4521, 10.6414



28.8459, 33.4521, 106.1311



43.5683, 33.4521, 86.9450

Sweetspot

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



34.9398, 33.4538, 6.8065



80.4398, 84.1153, 62.9175



27.1035, 14.9489, 12.9263



16.8193, 17.5463, 12.2907



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.



34.9398, 33.4538, 6.8065



56.2036, 51.0736, 7.2683



39.4701, 51.3048, 10.0134



11.2089, 11.7869, 11.2471



20.4845, 18.4861, 2.4885



1.0351, 1.0056, 0.1396

Inverse Universe

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



15.6802, 13.0746, 56.9551



22.3060, 15.4910, 96.4222



13.6075, 7.0264, 55.8969



10.3462, 10.8664, 13.4696



8.0151, 5.4241, 35.3689



0.4468, 0.3915, 1.6972

Previews

White Background



This preview shows how the XYZ color 34.9390, 33.4521, 6.8059 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 34.9390, 33.4521, 6.8059 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 34.9390, 33.4521, 6.8059

Background



This preview shows how black text looks on a background with the XYZ color 34.9390, 33.4521, 6.8059.



This preview shows how white text looks on a background with the XYZ color 34.9390, 33.4521,

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

34.9390, 33.4521, 6.8059

Protanopia

30.4351, 33.5335, 7.3511

Deuteranopia

34.1736, 33.5253, 6.7677



Tritanopia

40.0231, 33.2948, 32.3341

Trichromacy



Original Color

34.9390, 33.4521, 6.8059

Protanomaly

31.8534, 33.2786, 7.1274

Deuteranomaly

34.2788, 33.3457, 6.7275

Tritanomaly

37.4620, 33.1330, 18.8888

Monochromacy



Original Color

34.9390, 33.4521, 6.8059

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.1378, 31.3954, 19.5104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9390, 33.4521, 6.8059 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(201, 147, 42)` looks like.

```
.text, #text, p{  
    color:rgb(201, 147, 42)  
}
```

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(201, 147, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 147, 42) }
```

Border

The CSS property to change the border of an element to XYZ 34.9390, 33.4521, 6.8059 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(201, 147, 42) }
```


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

```
.border{ border-color:rgb(201, 147, 42) }
```

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

Here you see how a box with a 4 pixel rgb(201, 147, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 147, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 147, 42);  
box-shadow:4px 4px 4px 4px rgb(201, 147,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9390, 33.4521, 6.8059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 147, 42) }
```

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

```
.background{ background-color: rgb(201,  
147, 42) }
```

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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