

Converting Colors

XYZ(35.4201, 34.1141, 3.7098)

Have a look what the booklet for
XYZ(35.4201, 34.1141, 3.7098)
contains.

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Color

**XYZ(35.4917, 34.0172,
4.6954)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9400
RGB	204, 148, 0
RGB Percent	80%, 58%, 0%
CMY	0.2000, 0.4196, 0.9999
CMYK	0.00, 0.27, 1.00, 0.20
HSL	44°, 100%, 40%
HSV	44°, 100%, 80%
XYZ	35.4917, 34.0172, 4.6954
YIQ	147.8720, 80.8840, -34.1560

Conversions

Conversions Part 2

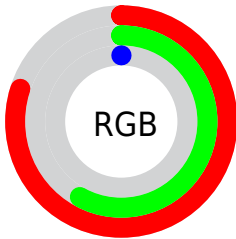
Format	Color
R _Y B	77, 204, 0
Decimal	13407232
CIE Lab	64.98, 11.02, 69.48
CIE LCh	65, 70.347, 80.990
Yxy	34.0172, 0.4783, 0.4584
Android (android.graphics.Color)	4291597312 (0xFFCC9400)
YUV	147.8720, -72.9009, 49.2243
Hunter-Lab	58.3243, 6.5540, 36.0538

Details

The XYZ color **35.4917, 34.0172, 4.6954** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **12.3136, 7.1887, 57.8646**, and the grayscale version is **28.3672, 29.8445, 32.5007**.

A 20% lighter version of the original color is **63.5966, 63.9955, 15.4790**, and **15.8693, 14.6647, 1.9942** is the 20% darker color. If you saturate the color by 10%, you get **35.4918, 34.0177, 4.6955**, and if you desaturate by 10%, it is **36.5221, 35.8704, 5.6801**.

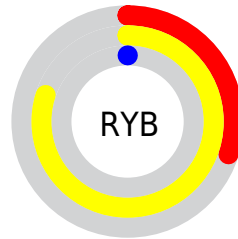
Distribution



Red (80%)

Green (58%)

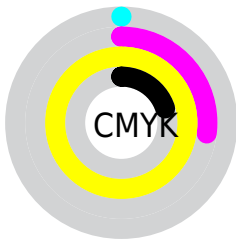
Blue (0%)



Red (30%)

Yellow (80%)

Blue (0%)

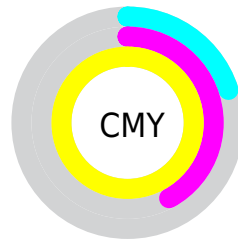


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4917, 34.0172, 4.6954 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 35.4917, 34.0172, 4.6954 by changing the saturation by 10% instead.


 35.4917, 34.0172,
4.6954


 35.4917, 34.0172,
4.6954


318.2035,
320.2087, 155.6668


 24.2102, 22.9068,
2.0141


 67.5758, 65.9604,
15.5842

 15.6152, 14.5247,
0.5639


 89.1091, 87.5620,
24.6288

 9.3414, 8.4865,
0.0000


 114.7903,
113.4295, 36.6316

 5.0234, 4.4078,
0.0000

 144.9849,
143.9473, 52.0110

 2.2959, 1.9042,
0.0000

 180.0582,
179.4997, 71.1857

 0.7926, 0.5509,
0.0000

 220.3754,

 0.0000, 0.0000,

220.4711, 94.5742

0.0000

266.3021,
267.2460, 122.5951

35.4917, 34.0172,
4.6954

35.4917, 34.0172,
4.6954

35.4918, 34.0177,
4.6955

36.5221, 35.8704,
5.6801

37.7320, 37.8629,
7.4004

39.1696, 40.0164,
10.1046

40.8606, 42.3419,
13.9249

42.8267, 44.8492,
18.9733

■ 45.0870, 47.5465,
25.3479

■ 47.6589, 50.4419,
33.1367

■ 50.5580, 53.5422,
42.4204

■ 53.7991, 56.8544,
53.2734

Harmonies

Analogous

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



46.2652, 34.0172, 8.3443



35.4917, 34.0172, 4.6954



25.8231, 34.0172, 5.5007

Triad

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



35.4917, 34.0172, 4.6954



17.2992, 34.0172, 60.9314



50.0261, 34.0172, 84.6409

Complementary

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



35.4917, 34.0172, 4.6954



12.3136, 7.1887, 57.8646

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.



39.8527, 34.0172, 117.7597



35.4917, 34.0172, 4.6954



21.5218, 34.0172, 99.7998

Square

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



35.4917, 34.0172, 4.6954



16.6125, 34.0172, 28.9442



29.3662, 34.0172, 124.4203



55.7392, 34.0172, 46.5176

Rectangle

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



35.4917, 34.0172, 4.6954



21.1298, 34.0172, 8.8131



29.3662, 34.0172, 124.4203



46.9252, 34.0172, 97.4119

Sweetspot

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



35.4925, 34.0189, 4.6960



78.7493, 83.3407, 54.3190



25.6606, 13.1411, 5.1616



16.4543, 17.3925, 10.3929



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.



35.4925, 34.0189, 4.6960



58.5897, 55.9594, 7.7132



36.0504, 50.6385, 7.8745



11.8833, 12.5556, 11.8766



22.4204, 21.5737, 2.9825



1.2179, 1.2356, 0.1743

Inverse Universe

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



12.3136, 7.1887, 57.8646



20.2399, 11.5999, 95.7800



11.9469, 4.9000, 57.4422



10.8482, 11.3368, 14.1868



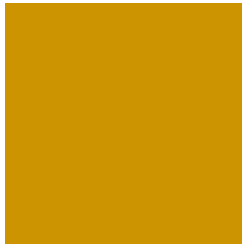
7.8175, 4.6590, 36.4435



0.4679, 0.3696, 1.9016

Previews

White Background



This preview shows how the XYZ color 35.4917, 34.0172, 4.6954 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 35.4917, 34.0172, 4.6954 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 35.4917, 34.0172, 4.6954

Background



This preview shows how black text looks on a background with the XYZ color 35.4917, 34.0172, 4.6954.



This preview shows how white text looks on a background with the XYZ color 35.4917, 34.0172,

4.6954.

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

35.4917, 34.0172, 4.6954

Protanopia

30.6533, 33.9452, 5.2843

Deuteranopia

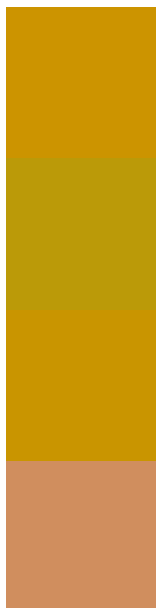
34.7258, 34.0921, 4.7502



Tritanopia

41.2977, 34.1640, 32.4346

Trichromacy



Original Color

35.4917, 34.0172, 4.6954

Protanomaly

32.0929, 33.6935, 5.0417

Deuteranomaly

34.8348, 33.9124, 4.7098

Tritanomaly

37.7058, 33.5641, 15.0809

Monochromacy



Original Color

35.4917, 34.0172, 4.6954

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.7587, 30.3128, 14.9249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4917, 34.0172, 4.6954 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(204, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 148, 0)  
}
```

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(204, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.4917, 34.0172, 4.6954 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(204, 148, 0) }
```


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

```
.border{ border-color:rgb(204, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 148,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4917, 34.0172, 4.6954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 148, 0) }
```

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

```
.background{ background-color: rgb(204,  
148, 0) }
```

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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