

Converting Colors

XYZ(36.0299, 35.0934, 4.8747)

Have a look what the booklet for
XYZ(36.0299, 35.0934, 4.8747)
contains.

XYZ(35.9684, 34.9706, 4.8543)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.9684, 34.9706,
4.8543)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9700
RGB	204, 151, 0
RGB Percent	80%, 59%, 0%
CMY	0.2000, 0.4078, 0.9999
CMYK	0.00, 0.26, 1.00, 0.20
HSL	44°, 100%, 40%
HSV	44°, 100%, 80%
XYZ	35.9684, 34.9706, 4.8543
YIQ	149.6330, 80.0590, -35.7250

Conversions

Conversions Part 2

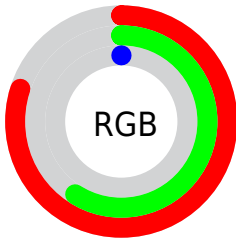
Format	Color
RYB	72, 204, 0
Decimal	13408000
CIELab	65.73, 9.39, 69.99
CIElCh	66, 70.616, 82.358
Yxy	34.9706, 0.4746, 0.4614
Android (android.graphics.Color)	4291598080 (0xFFCC9700)
YUV	149.6330, -73.7691, 47.6799
Hunter-Lab	59.1359, 5.0816, 36.5282

Details

The XYZ color **35.9684, 34.9706, 4.8543** 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 **12.1726, 6.9066, 57.8176**, and the grayscale version is **29.1142, 30.6304, 33.3565**.

A 20% lighter version of the original color is **64.3074, 65.4171, 15.7160**, and **16.1553, 15.2367, 2.0895** is the 20% darker color. If you saturate the color by 10%, you get **35.9685, 34.9711, 4.8544**, and if you desaturate by 10%, it is **36.9713, 36.7688, 5.8298**.

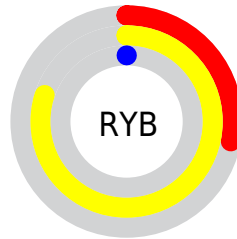
Distribution



Red (80%)

Green (59%)

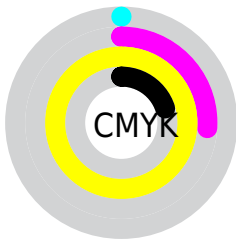
Blue (0%)



Red (28%)

Yellow (80%)

Blue (0%)

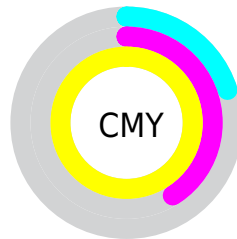


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (41%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9684, 34.9706, 4.8543 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 35.9684, 34.9706, 4.8543 by changing the saturation by 10% instead.


 35.9684, 34.9706,
4.8543

 35.9684, 34.9706,
4.8543


320.2561,
324.4385, 157.2941


 24.5798, 23.6402,
2.1048


 68.3075, 67.4402,
15.9365


 15.8913, 15.0670,
0.6186


 89.9887, 89.3483,
25.1062


 9.5376, 8.8664,
0.0000


 115.8314,
115.5510, 37.2532

 5.1534, 4.6541,
0.0000

 146.2011,
146.4328, 52.7958

 2.3732, 2.0458,
0.0000

 181.4630,
182.3780, 72.1527

 0.8317, 0.6339,
0.0000

 221.9826,

 0.0000, 0.0000,

223.7711, 95.7423

0.0000

268.1251,
270.9965, 123.9833

35.9684, 34.9706,
4.8543

35.9684, 34.9706,
4.8543

35.9685, 34.9711,
4.8544

36.9713, 36.7688,
5.8298

38.1494, 38.6978,
7.5396

39.5509, 40.7790,
10.2317

41.2014, 43.0235,
14.0386

43.1224, 45.4407,
19.0721

■ 45.3332, 48.0388,
25.4301

■ 47.8507, 50.8255,
33.2009

■ 50.6908, 53.8077,
42.4649

■ 53.8679, 56.9920,
53.2966

Harmonies

Analogous

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



47.0022, 34.9706, 8.3554



35.9684, 34.9706, 4.8543



26.1999, 34.9706, 5.8804

Triad

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



35.9684, 34.9706, 4.8543



17.9674, 34.9706, 64.2684



51.7122, 34.9706, 84.8332

Complementary

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



35.9684, 34.9706, 4.8543



12.1726, 6.9066, 57.8176

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.



41.4367, 34.9706, 119.3516



35.9684, 34.9706, 4.8543



22.4640, 34.9706, 103.7766

Square

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



35.9684, 34.9706, 4.8543



17.1023, 34.9706, 30.9598



30.6504, 34.9706, 127.6654



57.2472, 34.9706, 46.2092

Rectangle

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



35.9684, 34.9706, 4.8543



21.5077, 34.9706, 9.5059



30.6504, 34.9706, 127.6654



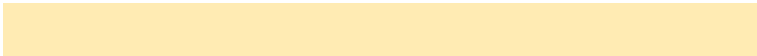
48.6073, 34.9706, 97.9810

Sweetspot

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



35.9692, 34.9724, 4.8550



79.0706, 83.9834, 54.4261



25.5772, 13.1077, 4.7227



16.5315, 17.5468, 10.4186



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.



35.9692, 34.9724, 4.8550



59.3846, 57.5493, 7.9782



35.3810, 50.2934, 7.8432



11.8976, 12.5842, 11.8814



22.7181, 22.1691, 3.0817



1.2313, 1.2623, 0.1787

Inverse Universe

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



12.1726, 6.9066, 57.8176



20.0126, 11.1453, 95.7042



12.0998, 4.9788, 57.4494



10.8348, 11.3100, 14.1824



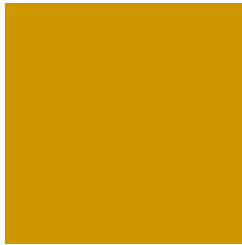
7.7261, 4.4761, 36.4130



0.4618, 0.3573, 1.8996

Previews

White Background



This preview shows how the XYZ color 35.9684, 34.9706, 4.8543 looks on a white background.

Color Contrast Check

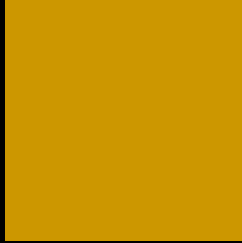
Large Text (above 18pt) WCAG AA × Fail

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 35.9684, 34.9706, 4.8543 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 35.9684, 34.9706, 4.8543

Background



This preview shows how black text looks on a background with the XYZ color 35.9684, 34.9706, 4.8543.



This preview shows how white text looks on a background with the XYZ color 35.9684, 34.9706,

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

35.9684, 34.9706, 4.8543

Protanopia

31.6873, 34.9895, 5.4002

Deuteranopia

35.5854, 35.0130, 4.8826



Tritanopia

41.8280, 34.8394, 33.7983

Trichromacy



Original Color

35.9684, 34.9706, 4.8543

Protanomaly

33.0816, 34.9481, 5.2031

Deuteranomaly

35.8568, 35.1530, 4.8953

Tritanomaly

38.0970, 34.2009, 15.6598

Monochromacy



Original Color

35.9684, 34.9706, 4.8543

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.5495, 31.1850, 15.2883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9684, 34.9706, 4.8543 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, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 151, 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, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 151, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.9684, 34.9706, 4.8543 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, 151, 0) }
```


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

```
.border{ border-color:rgb(204, 151, 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, 151, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 151,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9684, 34.9706, 4.8543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 151, 0) }
```

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

```
.background{ background-color: rgb(204,  
151, 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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