

Converting Colors

XYZ(35.8747, 34.1704, 6.7122)

Have a look what the booklet for
XYZ(35.8747, 34.1704, 6.7122)
contains.

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Color

**XYZ(35.8747, 34.1704,
6.7122)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9428
RGB	204, 148, 40
RGB Percent	80%, 58%, 16%
CMY	0.2000, 0.4196, 0.8431
CMYK	0.00, 0.27, 0.80, 0.20
HSL	40°, 67%, 48%
HSV	40°, 80%, 80%
XYZ	35.8747, 34.1704, 6.7122
YIQ	152.4320, 68.0440, -21.7160

Conversions

Conversions Part 2

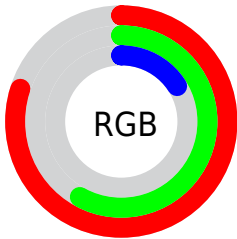
Format	Color
RYB	125, 204, 40
Decimal	13407272
CIELab	65.10, 11.78, 60.82
CIELCh	65, 61.948, 79.034
Yxy	34.1704, 0.4674, 0.4452
Android (android.graphics.Color)	4291597352 (0xFFCC9428)
YUV	152.4320, -55.4290, 45.2251
Hunter-Lab	58.4555, 7.2502, 34.1108

Details

The XYZ color **35.8747, 34.1704, 6.7122** 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 **15.9568, 13.1760, 58.8284**, and the grayscale version is **30.2446, 31.8197, 34.6517**.

A 20% lighter version of the original color is **64.4261, 64.3273, 19.8473**, and **16.0447, 14.7551, 2.0024** is the 20% darker color. If you saturate the color by 10%, you get **34.5552, 31.9481, 4.9888**, and if you desaturate by 10%, it is **37.4444, 36.6008, 9.4223**.

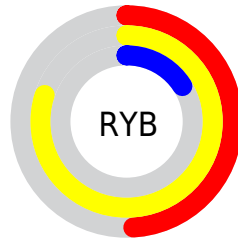
Distribution



Red (80%)

Green (58%)

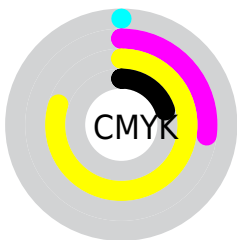
Blue (16%)



Red (49%)

Yellow (80%)

Blue (16%)

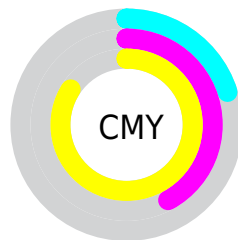


Cyan (0%)

Magenta (27%)

Yellow (80%)

Black (20%)



Cyan (20%)

Magenta (42%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8747, 34.1704, 6.7122 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 35.8747, 34.1704, 6.7122 by changing the saturation by 10% instead.


 35.8747, 34.1704,
6.7122


 35.8747, 34.1704,
6.7122


319.8533,
320.8912, 174.7896


 24.5071, 23.0245,
3.2071


 68.1638, 66.1986,
19.8948

 15.8370, 14.6116,
1.2013


 89.8159, 87.8497,
30.4093


 9.4990, 8.5473,
0.0000


 115.6270,
113.7713, 44.0973

 5.1278, 4.4471,
0.0000

 145.9623,
144.3478, 61.3775

 2.3579, 1.9267,
0.0000

 181.1873,
179.9637, 82.6682

 0.8241, 0.5643,
0.0000

 221.6672,

 0.0000, 0.0000,

221.0033, 108.3881

0.0000

267.7674,
267.8510, 138.9557

■ 35.8747, 34.1704,
6.7122

■ 35.8747, 34.1704,
6.7122

■ 34.5552, 31.9481,
4.9888

■ 37.4444, 36.6008,
9.4223

■ 33.4748, 29.9836,
4.0231

■ 39.2885, 39.2466,
13.2506

■ 41.4302, 42.1201,
18.3106

■ 43.8891, 45.2309,
24.7010

■ 46.6831, 48.5879,
32.5104

■ 49.8286, 52.1992,
41.8198

■ 53.3406, 56.0725,
52.7041

■ 57.2334, 60.2149,
65.2329

■ 61.5202, 64.6334,
79.4720

Harmonies

Analogous

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



45.1647, 34.1704, 10.9642



35.8747, 34.1704, 6.7122



27.1660, 34.1704, 7.3036

Triad

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



35.8747, 34.1704, 6.7122



18.7369, 34.1704, 55.7752



47.3386, 34.1704, 79.9559

Complementary

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



35.8747, 34.1704, 6.7122



15.9568, 13.1760, 58.8284

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.



38.4408, 34.1704, 106.2657



35.8747, 34.1704, 6.7122



22.4218, 34.1704, 88.4308

Square

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



35.8747, 34.1704, 6.7122



18.3045, 34.1704, 28.5690



29.3027, 34.1704, 109.9317



52.5499, 34.1704, 47.4283

Rectangle

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



35.8747, 34.1704, 6.7122



22.7721, 34.1704, 10.4962



29.3027, 34.1704, 109.9317



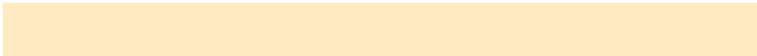
44.6110, 34.1704, 90.3544

Sweetspot

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



35.8755, 34.1721, 6.7129



80.4077, 84.0511, 62.9068



27.8370, 15.2257, 12.8795



16.8115, 17.5308, 12.2882



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.



35.8755, 34.1721, 6.7129



55.9378, 50.5662, 7.1049



40.6587, 52.9699, 10.0891



11.8188, 12.4265, 11.8551



21.1590, 19.0510, 2.5620



1.1603, 1.1203, 0.1551

Inverse Universe

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



15.9568, 13.1760, 58.8284



22.1611, 15.2526, 96.3838



13.8117, 6.9877, 57.7470



10.9097, 11.4598, 14.2073



8.3031, 5.6301, 36.6054



0.4986, 0.4309, 1.9118

Previews

White Background



This preview shows how the XYZ color 35.8747, 34.1704, 6.7122 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 35.8747, 34.1704, 6.7122 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 35.8747, 34.1704, 6.7122

Background



This preview shows how black text looks on a background with the XYZ color 35.8747, 34.1704, 6.7122.



This preview shows how white text looks on a background with the XYZ color 35.8747, 34.1704,

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

35.8747, 34.1704, 6.7122

Protanopia

31.1943, 34.4357, 7.2881

Deuteranopia

34.8257, 34.1013, 6.6661



Tritanopia

41.3773, 34.1958, 32.8534

Trichromacy



Original Color

35.8747, 34.1704, 6.7122

Protanomaly

32.6328, 34.1747, 7.0669

Deuteranomaly

35.2010, 34.0589, 6.6382

Tritanomaly

38.4457, 33.8600, 18.9773

Monochromacy



Original Color

35.8747, 34.1704, 6.7122

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.7304, 31.9388, 19.5841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8747, 34.1704, 6.7122 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(204, 148, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 148, 40) }
```

Border

The CSS property to change the border of an element to XYZ 35.8747, 34.1704, 6.7122 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, 40) }
```


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

```
.border{ border-color:rgb(204, 148, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 148, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 148, 40);  
box-shadow:4px 4px 4px 4px rgb(204, 148,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8747, 34.1704, 6.7122 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, 40) }
```

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

```
.background{ background-color: rgb(204,  
148, 40) }
```

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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