

Converting Colors

XYZ(35.6702, 33.3282, 4.5530)

Have a look what the booklet for
XYZ(35.6702, 33.3282, 4.5530)
contains.

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Color

**XYZ(35.8575, 33.5162,
4.5794)**

Conversions

Conversions Part 1

Format	Color
Hex	CF9100
RGB	207, 145, 0
RGB Percent	81%, 57%, 0%
CMY	0.1882, 0.4313, 1.0000
CMYK	0.00, 0.30, 1.00, 0.19
HSL	42°, 100%, 41%
HSV	42°, 100%, 81%
XYZ	35.8575, 33.5162, 4.5794
YIQ	147.0080, 83.4970, -31.9510

Conversions

Conversions Part 2

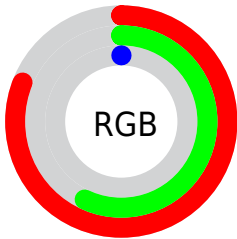
Format	Color
R _Y B	89, 207, 0
Decimal	13603072
CIE Lab	64.58, 13.97, 69.37
CIE LCh	65, 70.766, 78.613
Yxy	33.5162, 0.4849, 0.4532
Android (android.graphics.Color)	4291793152 (0xFFCF9100)
YUV	147.0080, -72.4749, 52.6130
Hunter-Lab	57.8932, 9.2451, 35.8353

Details

The XYZ color **35.8575, 33.5162, 4.5794** 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 **12.9855, 7.9509, 59.8812**, and the grayscale version is **28.0041, 29.4625, 32.0847**.

A 20% lighter version of the original color is **62.8660, 62.5879, 15.0706**, and **16.1248, 14.3875, 1.9272** is the 20% darker color. If you saturate the color by 10%, you get **35.8576, 33.5167, 4.5795**, and if you desaturate by 10%, it is **36.9643, 35.5178, 5.6030**.

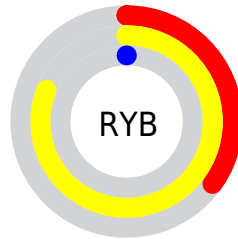
Distribution



Red (81%)

Green (57%)

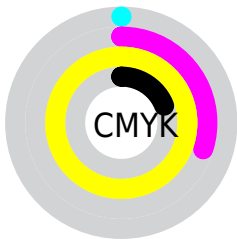
Blue (0%)



Red (35%)

Yellow (81%)

Blue (0%)

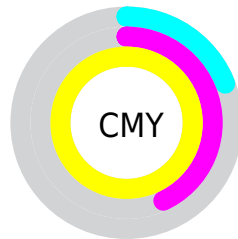


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8575, 33.5162, 4.5794 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 35.8575, 33.5162, 4.5794 by changing the saturation by 10% instead.


 35.8575, 33.5162,
4.5794


 35.8575, 33.5162,
4.5794

319.7794,
317.9694, 154.4628


 24.4938, 22.5222,
1.9483


 68.1374, 65.1806,
15.3254


 15.8270, 14.2411,
0.5232


 89.7842, 86.6198,
24.2774


 9.4919, 8.2885,
0.0000


 115.5895,
112.3095, 36.1734

 5.1231, 4.2801,
0.0000

 145.9185,
142.6341, 51.4319

 2.3551, 1.8315,
0.0000

 181.1366,
177.9780, 70.4716


 0.8227, 0.5067,
0.0000


 221.6093,


 0.0000, 0.0000,


218.7256, 93.7110


0.0000


 267.7017,
265.2612, 121.5685


 35.8575, 33.5162,
4.5794


 35.8575, 33.5162,
4.5794


 35.8576, 33.5167,
4.5795

 36.9643, 35.5178,
5.6030

 38.2650, 37.6796,
7.3919

 39.8093, 40.0241,
10.2008

 41.6241, 42.5632,
14.1674

 43.7320, 45.3072,
19.4074

■ 46.1532, 48.2654,
26.0228

■ 48.9055, 51.4461,
34.1050

■ 52.0056, 54.8570,
43.7375

■ 55.4688, 58.5053,
54.9975

Harmonies

Analogous

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



46.5423, 33.5162, 8.6065



35.8575, 33.5162, 4.5794



26.0366, 33.5162, 5.0506

Triad

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



35.8575, 33.5162, 4.5794



16.7363, 33.5162, 57.3432



48.8124, 33.5162, 87.1746

Complementary

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



35.8575, 33.5162, 4.5794



12.9855, 7.9509, 59.8812

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.



38.4840, 33.5162, 118.9622



35.8575, 33.5162, 4.5794



20.6385, 33.5162, 96.3598

Square

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



35.8575, 33.5162, 4.5794



16.3262, 33.5162, 26.5530



28.1641, 33.5162, 123.0062



55.0118, 33.5162, 48.6486

Rectangle

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



35.8575, 33.5162, 4.5794



21.1840, 33.5162, 7.9608



28.1641, 33.5162, 123.0062



45.6185, 33.5162, 99.7140

Sweetspot

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



35.8582, 33.5179, 4.5800



78.2076, 82.2572, 54.1384



26.6045, 13.6145, 5.7987



16.3243, 17.1326, 10.3496



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.



35.8582, 33.5179, 4.5800



57.2854, 53.3507, 7.2785



37.9552, 52.6893, 8.1700



12.4921, 13.1748, 12.4966



22.6783, 21.2896, 2.9140



1.3356, 1.3256, 0.1855

Inverse Universe

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



12.9855, 7.9509, 59.8812



20.6602, 12.4405, 95.9201



12.1934, 4.9851, 59.3505



11.4482, 11.9867, 14.9539



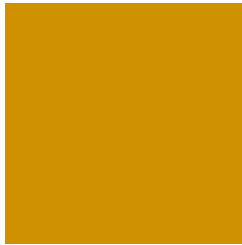
8.2539, 5.1545, 37.7524



0.5309, 0.4270, 2.1340

Previews

White Background



This preview shows how the XYZ color 35.8575, 33.5162, 4.5794 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 35.8575, 33.5162, 4.5794 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 35.8575, 33.5162, 4.5794

Background



This preview shows how black text looks on a background with the XYZ color 35.8575, 33.5162, 4.5794.



This preview shows how white text looks on a background with the XYZ color 35.8575, 33.5162,

4.5794.

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

35.8575, 33.5162, 4.5794

Protanopia

30.2611, 33.4901, 5.2501

Deuteranopia

34.3006, 33.6370, 4.6848



Tritanopia

41.2154, 33.5184, 31.0855

Trichromacy



Original Color

35.8575, 33.5162, 4.5794

Protanomaly

32.1741, 33.4914, 4.9985

Deuteranomaly

34.9470, 33.7364, 4.6699

Tritanomaly

38.0284, 33.0868, 14.5073

Monochromacy



Original Color

35.8575, 33.5162, 4.5794

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.6615, 29.8009, 14.8312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8575, 33.5162, 4.5794 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(207, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 145, 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(207, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 145, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.8575, 33.5162, 4.5794 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(207, 145, 0) }
```


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

```
.border{ border-color:rgb(207, 145, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 145,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8575, 33.5162, 4.5794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 145, 0) }
```

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

```
.background{ background-color: rgb(207,  
145, 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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