

Converting Colors

XYZ(34.6681, 32.9339, 4.5804)

Have a look what the booklet for
XYZ(34.6681, 32.9339, 4.5804)
contains.

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Color

**XYZ(34.7650, 32.9517,
4.5854)**

Conversions

Conversions Part 1

Format	Color
Hex	CB9102
RGB	203, 145, 2
RGB Percent	80%, 57%, 1%
CMY	0.2039, 0.4314, 0.9921
CMYK	0.00, 0.29, 0.99, 0.20
HSL	43°, 98%, 40%
HSV	43°, 99%, 80%
XYZ	34.7650, 32.9517, 4.5854
YIQ	146.0400, 80.4710, -32.1770

Conversions

Conversions Part 2

Format	Color
RYB	84, 203, 2
Decimal	13340930
CIELab	64.12, 12.23, 68.56
CIElCh	64, 69.640, 79.889
Yxy	32.9517, 0.4808, 0.4558
Android (android.graphics.Color)	4291531010 (0xFFCB9102)
YUV	146.0400, -71.0117, 49.9539
Hunter-Lab	57.4036, 7.6477, 35.4464

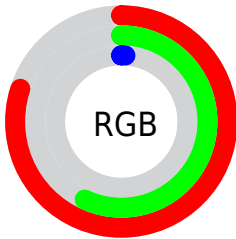
Details

The XYZ color **34.7650, 32.9517, 4.5854** 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 **12.4207, 7.5569, 57.3036**, and the grayscale version is **27.5984, 29.0356, 31.6198**.

A 20% lighter version of the original color is **62.8995, 62.6013, 15.2467**, and **15.4199, 14.0241, 1.8942** is the 20% darker color. If you saturate the color by 10%, you get **34.6663, 32.7721, 4.4985**, and if you desaturate by 10%, it is **35.8209, 34.8447, 5.6126**.

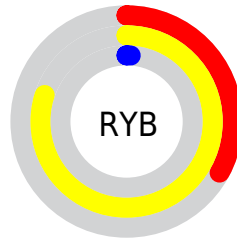
Distribution



Red (80%)

Green (57%)

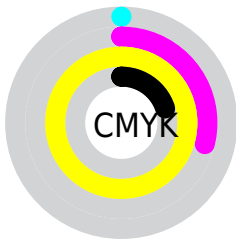
Blue (1%)



Red (33%)

Yellow (80%)

Blue (1%)

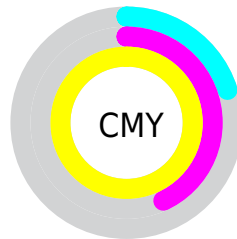


Cyan (0%)

Magenta (29%)

Yellow (99%)

Black (20%)



Cyan (20%)


Magenta (43%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7650, 32.9517, 4.5854 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 34.7650, 32.9517, 4.5854 by changing the saturation by 10% instead.


 34.7650, 32.9517,
4.5854


 34.7650, 32.9517,
4.5854


315.0561,
315.4320, 154.5254


 23.6476, 22.0894,
1.9517


 66.4580, 64.3001,
15.3388


 15.1957, 13.9226,
0.5253


 87.7642, 85.5551,
24.2956

 9.0441, 8.0669,
0.0000


 113.1975,
111.0430, 36.1972

 4.8273, 4.1378,
0.0000

 143.1231,
141.1484, 51.4620

 2.1800, 1.7509,
0.0000

 177.9064,
176.2556, 70.5087


 0.7322, 0.4563,
0.0000


 217.9128,


 0.0000, 0.0000,


216.7490, 93.7559


0.0000


 263.5075,
263.0130, 121.6219

 34.7650, 32.9517,
4.5854


 34.7650, 32.9517,
4.5854


 34.6663, 32.7721,
4.4985

 35.8209, 34.8447,
5.6126

 37.0671, 36.8875,
7.4146

 38.5455, 39.0990,
10.2048

 40.2811, 41.4905,
14.1117

 42.2950, 44.0713,
19.2441

■ 44.6061, 46.8500,
25.6979

■ 47.2314, 49.8344,
33.5594

■ 50.1864, 53.0316,
42.9076

■ 53.4855, 56.4483,
53.8154

Harmonies

Analogous

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



45.1809, 32.9517, 8.3234



34.7650, 32.9517, 4.5854



25.3061, 32.9517, 5.2199

Triad

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



34.7650, 32.9517, 4.5854



16.6679, 32.9517, 57.6852



48.1595, 32.9517, 83.4219

Complementary

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



34.7650, 32.9517, 4.5854



12.4207, 7.5569, 57.3036

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.



38.2174, 32.9517, 114.9149



34.7650, 32.9517, 4.5854



20.6300, 32.9517, 95.4341

Square

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



34.7650, 32.9517, 4.5854



16.1250, 32.9517, 27.1709



28.1097, 32.9517, 120.1949



53.9198, 32.9517, 46.2729

Rectangle

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



34.7650, 32.9517, 4.5854



20.6727, 32.9517, 8.2724



28.1097, 32.9517, 120.1949



45.1091, 32.9517, 95.6943

Sweetspot

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



34.7657, 32.9534, 4.5860



78.4443, 82.7307, 54.2173



25.5282, 13.0913, 5.7832



16.3811, 17.2461, 10.3685



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.



34.7657, 32.9534, 4.5860



57.8497, 54.4795, 7.4666



36.4305, 50.4816, 7.8816



11.8698, 12.5285, 11.8721



22.1430, 21.0190, 2.8900



1.2054, 1.2105, 0.1701

Inverse Universe

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



12.4207, 7.5569, 57.3036



20.4707, 12.0614, 95.8569



11.7646, 4.8521, 56.8161



10.8611, 11.3625, 14.1911



7.9099, 4.8437, 36.4743



0.4740, 0.3817, 1.9036

Previews

White Background



This preview shows how the XYZ color 34.7650, 32.9517, 4.5854 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 34.7650, 32.9517, 4.5854 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 34.7650, 32.9517, 4.5854

Background



This preview shows how black text looks on a background with the XYZ color 34.7650, 32.9517, 4.5854.



This preview shows how white text looks on a background with the XYZ color 34.7650, 32.9517,

4.5854.

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

34.7650, 32.9517, 4.5854

Protanopia

29.8593, 33.0336, 5.1502

Deuteranopia

33.6159, 33.0501, 4.6076



Tritanopia

40.3531, 33.0739, 31.0451

Trichromacy



Original Color

34.7650, 32.9517, 4.5854

Protanomaly

31.5218, 32.9131, 4.9212

Deuteranomaly

33.9924, 33.0117, 4.6090

Tritanomaly

36.9405, 32.5209, 14.6861

Monochromacy



Original Color

34.7650, 32.9517, 4.5854

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.2356, 29.5814, 14.8113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7650, 32.9517, 4.5854 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(203, 145, 2)` looks like.

```
.text, #text, p{  
    color:rgb(203, 145, 2)  
}
```

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(203, 145, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 145, 2) }
```

Border

The CSS property to change the border of an element to XYZ 34.7650, 32.9517, 4.5854 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(203, 145, 2) }
```


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

```
.border{ border-color:rgb(203, 145, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 145, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 145, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 145, 2);  
box-shadow:4px 4px 4px 4px rgb(203, 145,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7650, 32.9517, 4.5854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 145, 2) }
```

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

```
.background{ background-color: rgb(203,  
145, 2) }
```

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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