

Converting Colors

XYZ(34.8913, 25.7838, 8.4783)

Have a look what the booklet for
XYZ(34.8913, 25.7838, 8.4783)
contains.

XYZ(34.9910, 25.8821, 8.4617)	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(34.9910, 25.8821,
8.4617)**

Conversions

Conversions Part 1

Format	Color
Hex	D96C43
RGB	217, 108, 67
RGB Percent	85%, 42%, 26%
CMY	0.1490, 0.5764, 0.7372
CMYK	0.00, 0.50, 0.69, 0.15
HSL	16°, 66%, 56%
HSV	16°, 69%, 85%
XYZ	34.9910, 25.8821, 8.4617
YIQ	135.9170, 78.1250, 10.3570

Conversions

Conversions Part 2

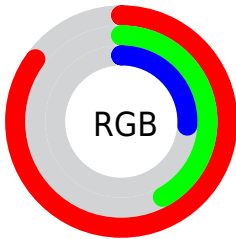
Format	Color
RYB	217, 123, 67
Decimal	14249027
CIELab	57.92, 39.71, 42.11
CIElCh	58, 57.879, 46.679
Yxy	25.8821, 0.5047, 0.3733
Android (android.graphics.Color)	4292439107 (0xFFD96C43)
YUV	135.9170, -33.9761, 71.1098
Hunter-Lab	50.8745, 33.7404, 25.7507

Details

The XYZ color **34.9910, 25.8821, 8.4617** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **30.3633, 37.2514, 71.2353**, and the grayscale version is **23.4742, 24.6967, 26.8947**.

A 20% lighter version of the original color is **57.1958, 48.0341, 23.0866**, and **15.2997, 10.0447, 1.7943** is the 20% darker color. If you saturate the color by 10%, you get **32.9425, 22.6392, 5.1467**, and if you desaturate by 10%, it is **37.5852, 29.8268, 13.1617**.

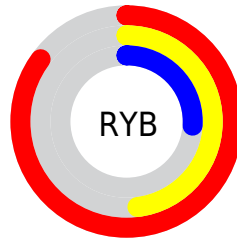
Distribution



Red (85%)

Green (42%)

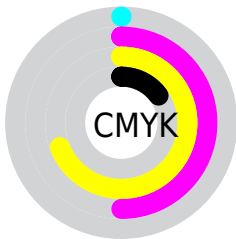
Blue (26%)



Red (85%)

Yellow (48%)

Blue (26%)

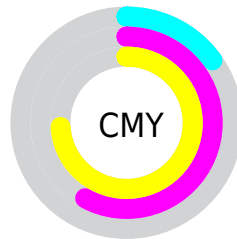


Cyan (0%)

Magenta (50%)

Yellow (69%)

Black (15%)



Cyan (15%)


Magenta (58%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9910, 25.8821, 8.4617 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 34.9910, 25.8821, 8.4617 by changing the saturation by 10% instead.


 34.9910, 25.8821,
8.4617


 34.9910, 25.8821,
8.4617


316.0373,
282.2028, 189.3776


 23.8224, 16.7355,
4.2998


 66.8059, 53.0847,
23.4196

 15.3260, 10.0461,
1.7912


 88.1830, 71.9094,
35.0528


 9.1363, 5.4295,
0.4221


 113.6936, 94.7290,
50.0134

 4.8880, 2.5014,
0.0000

 143.7031,
121.9277, 68.7200

 2.2158, 0.8773,
0.0000

 178.5769,
153.8901, 91.5912

 0.7510, 0.0000,
0.0000

218.6803,

 0.0000, 0.0000,

191.0005, 119.0455

0.0000

264.3786,
233.6433, 151.5015

■ 34.9910, 25.8821,
8.4617

■ 34.9910, 25.8821,
8.4617

■ 32.9425, 22.6392,
5.1467

■ 37.5852, 29.8268,
13.1617

■ 31.3929, 20.0500,
3.0580

■ 40.7629, 34.5089,
19.3791

■ 30.2785, 18.0618,
1.9450

■ 44.5600, 39.9664,
27.2318

■ 30.1957, 17.9128,
1.8660

■ 49.0090, 46.2334,
36.8260

■ 54.1399, 53.3417,
48.2585

■ 59.9810, 61.3216,
61.6191

■ 66.5587, 70.2017,
76.9918

■ 73.8980, 80.0092,
94.4554

■ 80.8249, 90.2911,
107.7757

Harmonies

Analogous

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



39.8054, 25.8821, 18.5359



34.9910, 25.8821, 8.4617



27.8198, 25.8821, 4.8992

Triad

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



34.9910, 25.8821, 8.4617



13.7254, 25.8821, 20.2290



28.6518, 25.8821, 83.2749

Complementary

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



34.9910, 25.8821, 8.4617



30.3633, 37.2514, 71.2353

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.



21.6391, 25.8821, 84.4800



34.9910, 25.8821, 8.4617



13.8637, 25.8821, 40.6988

Square

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



34.9910, 25.8821, 8.4617



16.0795, 25.8821, 9.1954



16.5016, 25.8821, 66.3560



35.6984, 25.8821, 63.5794

Rectangle

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



34.9910, 25.8821, 8.4617



23.0736, 25.8821, 4.6625



16.5016, 25.8821, 66.3560



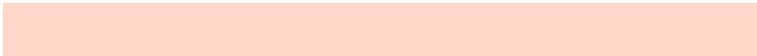
26.1926, 25.8821, 86.0959

Sweetspot

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



34.9916, 25.8835, 8.4622



76.4144, 74.6557, 65.9188



38.5582, 21.9404, 43.7977



15.9056, 15.3571, 13.1019



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.



34.9916, 25.8835, 8.4622



46.3566, 30.7851, 5.8182



46.3562, 48.6128, 12.2504



13.3443, 13.6279, 13.6527



18.3549, 10.9953, 1.1549



1.2604, 0.8549, 0.0986

Inverse Universe

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



30.3633, 37.2514, 71.2353



39.0591, 47.7375, 101.7634



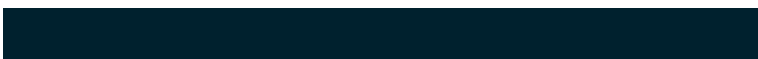
19.5906, 15.7060, 67.6444



13.1282, 14.1962, 16.7003



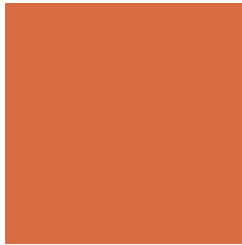
15.0421, 17.9536, 42.4110



1.0449, 1.3038, 2.7710

Previews

White Background



This preview shows how the XYZ color 34.9910, 25.8821, 8.4617 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 34.9910, 25.8821, 8.4617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

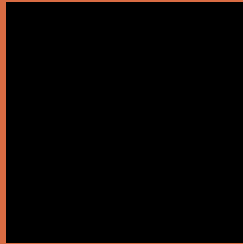
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9910, 25.8821, 8.4617

Background



This preview shows how black text looks on a background with the XYZ color 34.9910, 25.8821, 8.4617.



This preview shows how white text looks on a background with the XYZ color 34.9910, 25.8821,

8.4617.

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

34.9910, 25.8821, 8.4617

Protanopia

24.0797, 26.1763, 10.9911

Deuteranopia

26.4634, 25.9962, 8.0379



Tritanopia

36.8781, 25.8864, 17.8047

Trichromacy



Original Color

34.9910, 25.8821, 8.4617

Protanomaly

27.0867, 25.2799, 9.9304

Deuteranomaly

29.0911, 25.5930, 8.1093

Tritanomaly

35.9854, 25.8167, 13.6762

Monochromacy



Original Color

34.9910, 25.8821, 8.4617

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

25.8471, 24.0687, 18.3224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9910, 25.8821, 8.4617 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(217, 108, 67)` looks like.

```
.text, #text, p{  
    color:rgb(217, 108, 67)  
}
```

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(217, 108, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 108, 67) }
```

Border

The CSS property to change the border of an element to XYZ 34.9910, 25.8821, 8.4617 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(217, 108, 67) }
```


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

```
.border{ border-color:rgb(217, 108, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 108, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 108, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 108, 67);  
box-shadow:4px 4px 4px 4px rgb(217, 108,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9910, 25.8821, 8.4617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 108, 67) }
```

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

```
.background{ background-color: rgb(217,  
108, 67) }
```

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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