

# Converting Colors

XYZ(35.0017, 33.5412, 25.0965)

Have a look what the booklet for  
XYZ(35.0017, 33.5412, 25.0965)  
contains.

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# Color

**XYZ(34.8934, 33.4925,  
25.0477)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA9580
RGB	186, 149, 128
RGB Percent	73%, 58%, 50%
CMY	0.2706, 0.4157, 0.4980
CMYK	0.00, 0.20, 0.31, 0.27
HSL	22°, 30%, 62%
HSV	22°, 31%, 73%
XYZ	34.8934, 33.4925, 25.0477
YIQ	157.6690, 28.7930, 1.3130

# Conversions

## Conversions Part 2

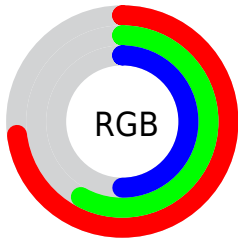
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 161, 128
Decimal	12227968
CIE Lab	64.56, 10.79, 16.35
CIE LCh	65, 19.585, 56.581
Yxy	33.4925, 0.3735, 0.3585
Android (android.graphics.Color)	4290418048 (0xFFBA9580)
YUV	157.6690, -14.6268, 24.8463
Hunter-Lab	57.8727, 6.3464, 14.8498

# Details

The XYZ color **34.8934, 33.4925, 25.0477** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **31.2197, 35.0435, 51.5730**, and the grayscale version is **32.4052, 34.0928, 37.1270**.

A 20% lighter version of the original color is **66.6586, 65.1028, 52.7689**, and **15.2947, 14.2054, 9.3329** is the 20% darker color. If you saturate the color by 10%, you get **31.9973, 29.4832, 18.5859**, and if you desaturate by 10%, it is **38.2069, 37.9772, 32.7566**.

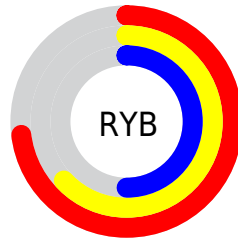
# Distribution



Red (73%)

Green (58%)

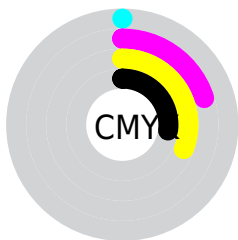
Blue (50%)



Red (73%)

Yellow (63%)

Blue (50%)

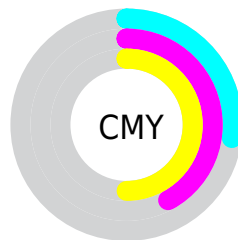


Cyan (0%)

Magenta (20%)

Yellow (31%)

Black (27%)



Cyan (27%)

Magenta (42%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8934, 33.4925, 25.0477 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 34.8934, 33.4925, 25.0477 by changing the saturation by 10% instead.





 34.8934, 33.4925,  
25.0477


 34.8934, 33.4925,  
25.0477


315.6138,  
317.8632, 291.5307


 23.7469, 22.5040,  
15.8933

 66.6557, 65.1437,  
52.6997

 15.2697, 14.2277,  
9.2951

 88.0022, 86.5752,  
72.0343

 9.0964, 8.2792,  
4.8347


 113.4795,  
112.2564, 95.5994

 4.8617, 4.2741,  
2.0936

143.4528,  
142.5718, 123.8134

 2.2003, 1.8281,  
0.6119

178.2875,  
177.9058, 157.0951

 0.7429, 0.5046,  
0.0000

218.3490,

 0.0000, 0.0000,

218.6428, 195.8628

0.0000

264.0027,  
265.1671, 240.5352

■ 34.8934, 33.4925,  
25.0477

■ 34.8934, 33.4925,  
25.0477

■ 31.9973, 29.4832,  
18.5859

■ 38.2069, 37.9772,  
32.7566

■ 29.4981, 25.9283,  
13.3026

■ 41.9520, 42.9480,  
41.7721

■ 27.3772, 22.8120,  
9.1256


■ 46.1455, 48.4212,  
52.1524


■ 25.6133, 20.1158,  
5.9739


■ 50.8022, 54.4109,  
63.9513


■ 24.1826, 17.8195,  
3.7552


■ 55.9365, 60.9305,  
77.2201

 23.0578, 15.9009,  
2.3600

 61.5619, 67.9930,  
92.0072

 22.2782, 14.4961,  
1.6238

 67.1717, 75.4030,  
105.6217

 70.6259, 82.3116,  
106.7731

 74.0597, 89.1791,  
107.9177

# Harmonies

## Analogous

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



36.8978, 33.4925, 29.9913



34.8934, 33.4925, 25.0477



32.1560, 33.4925, 23.1344

# Triad

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



34.8934, 33.4925, 25.0477



26.7538, 33.4925, 35.5553



34.3052, 33.4925, 52.0764

# Complementary

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



34.8934, 33.4925, 25.0477



31.2197, 35.0435, 51.5730

# 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.



31.5134, 33.4925, 54.1358



34.8934, 33.4925, 25.0477



27.2554, 33.4925, 43.8150

# Square

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



34.8934, 33.4925, 25.0477



27.5461, 33.4925, 28.6141



28.9581, 33.4925, 50.9184



36.5445, 33.4925, 45.6409



# Rectangle

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



34.8934, 33.4925, 25.0477



30.3211, 33.4925, 23.5907



28.9581, 33.4925, 50.9184



33.3956, 33.4925, 53.3408

# Sweetspot

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



34.8943, 33.4941, 25.0484



77.5193, 79.7883, 79.3363



34.8245, 28.6200, 39.6212



16.8358, 17.2618, 16.8945



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.8943, 33.4941, 25.0484



59.7871, 55.9389, 37.6178



39.9276, 43.5607, 26.7262



9.2637, 9.5304, 9.4582



15.0536, 9.8836, 1.1143



0.5905, 0.4681, 0.0592



# Inverse Universe

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



31.2197, 35.0435, 51.5730



52.1243, 59.1509, 92.8714



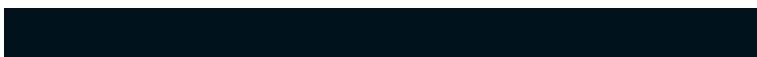
26.6684, 25.9409, 50.0559



8.9858, 9.6488, 11.4682



10.4454, 11.3504, 32.8934



0.4248, 0.5132, 1.1784



# Previews

## White Background



This preview shows how the XYZ color 34.8934, 33.4925, 25.0477 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 34.8934, 33.4925, 25.0477 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

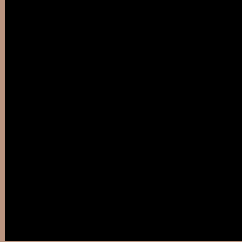
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.8934, 33.4925, 25.0477**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8934, 33.4925, 25.0477.



This preview shows how white text looks on a background with the XYZ color 34.8934, 33.4925,

25.0477.

# 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

34.8934, 33.4925, 25.0477

### Protanopia

31.5704, 33.4422, 26.6208

### Deuteranopia

34.2543, 33.6368, 25.1092



## Tritanopia

37.1124, 33.4699, 35.9568

# Trichromacy



## Original Color

34.8934, 33.4925, 25.0477

## Protanomaly

32.7215, 33.3054, 26.1767

## Deuteranomaly

34.3311, 33.4385, 25.0669

## Tritanomaly

36.2062, 33.3245, 31.7181

# Monochromacy



## Original Color

34.8934, 33.4925, 25.0477

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

33.1363, 33.8741, 32.3957

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8934, 33.4925, 25.0477 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(186, 149, 128)` looks like.

```
.text, #text, p{  
    color:rgb(186, 149, 128)  
}
```

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(186, 149, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 149, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8934, 33.4925, 25.0477 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(186, 149, 128) }
```



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

```
.border{ border-color:rgb(186, 149, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 149, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 149, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 149, 128); box-shadow:4px 4px 4px 4px rgb(186, 149, 128) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8934, 33.4925, 25.0477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 149, 128) }
```

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

```
.background{ background-color: rgb(186,  
149, 128) }
```

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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