

Converting Colors

XYZ(33.7397, 34.7354, 25.1766)

Have a look what the booklet for
XYZ(33.7397, 34.7354, 25.1766)
contains.

XYZ(33.8577, 34.9026, 25.3744)	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(33.8577, 34.9026,
25.3744)**

Conversions

Conversions Part 1

Format	Color
Hex	B09D80
RGB	176, 157, 128
RGB Percent	69%, 62%, 50%
CMY	0.3098, 0.3843, 0.4980
CMYK	0.00, 0.11, 0.27, 0.31
HSL	36°, 23%, 60%
HSV	36°, 27%, 69%
XYZ	33.8577, 34.9026, 25.3744
YIQ	159.3750, 20.6330, -4.9910

Conversions

Conversions Part 2

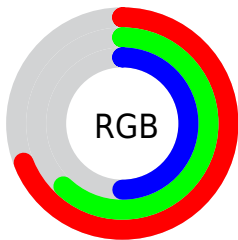
Format	Color
RYB	159, 176, 128
Decimal	11574656
CIELab	65.67, 2.40, 17.74
CIELCh	66, 17.901, 82.287
Yxy	34.9026, 0.3597, 0.3708
Android (android.graphics.Color)	4289764736 (0xFFB09D80)
YUV	159.3750, -15.4679, 14.5801
Hunter-Lab	59.0784, -1.0893, 15.8896

Details

The XYZ color **33.8577, 34.9026, 25.3744** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.1719, 28.5902, 45.1606**, and the grayscale version is **33.1892, 34.9176, 38.0252**.

A 20% lighter version of the original color is **64.9135, 67.0805, 53.2426**, and **14.7337, 15.0835, 9.5320** is the 20% darker color. If you saturate the color by 10%, you get **31.6535, 32.1900, 19.4116**, and if you desaturate by 10%, it is **36.3319, 37.8331, 32.4194**.

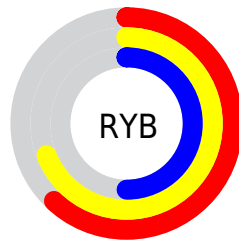
Distribution



Red (69%)

Green (62%)

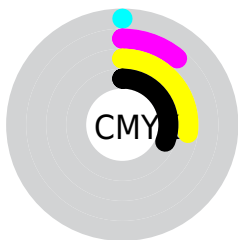
Blue (50%)



Red (62%)

Yellow (69%)

Blue (50%)

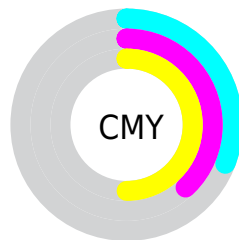


Cyan (0%)

Magenta (11%)

Yellow (27%)

Black (31%)



Cyan (31%)

Magenta (38%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8577, 34.9026, 25.3744 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 33.8577, 34.9026, 25.3744 by changing the saturation by 10% instead.


 33.8577, 34.9026,
25.3744


 33.8577, 34.9026,
25.3744

311.0942,
324.1382, 293.2045


 22.9467, 23.5879,
16.1347


 65.0581, 67.3349,
53.2356

 14.6746, 15.0282,
9.4641

 86.0781, 89.2212,
72.6941

 8.6762, 8.8392,
4.9442


 111.1986,
115.4001, 96.3960

 4.5860, 4.6364,
2.1564

140.7848,
146.2561, 124.7598

 2.0387, 2.0356,
0.6490

175.2021,
182.1735, 158.2040

 0.6556, 0.6280,
0.0000

214.8159,

 0.0000, 0.0000,

223.5367, 197.1471

0.0000

259.9914,
270.7301, 242.0078

■ 33.8577, 34.9026,
25.3744

■ 33.8577, 34.9026,
25.3744

■ 31.6535, 32.1900,
19.4116

■ 36.3319, 37.8331,
32.4194

■ 29.7051, 29.6842,
14.4738

■ 39.0840, 40.9829,
40.5955

■ 28.0010, 27.3800,
10.5018

■ 42.1251, 44.3591,
49.9511

■ 26.5274, 25.2701,
7.4295

■ 45.4646, 47.9673,
60.5314

■ 25.2691, 23.3465,
5.1821

■ 49.1116, 51.8127,
72.3789

■ 24.2084, 21.6000,
3.6728

■ 53.0748, 55.9004,
85.5343

■ 23.3197, 20.0184,
2.7727

■ 57.3624, 60.2351,
100.0363

■ 23.0946, 19.6103,
2.5679

■ 59.6797, 63.9005,
103.7963

■ 61.4665, 67.4741,
104.3919

Harmonies

Analogous

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



36.3667, 34.9026, 27.6522



33.8577, 34.9026, 25.3744



31.2915, 34.9026, 26.1083

Triad

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



33.8577, 34.9026, 25.3744



28.7083, 34.9026, 43.7686



37.3404, 34.9026, 47.5757

Complementary

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



33.8577, 34.9026, 25.3744



27.1719, 28.5902, 45.1606

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.



35.1303, 34.9026, 53.0525



33.8577, 34.9026, 25.3744



30.1736, 34.9026, 50.6597

Square

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



33.8577, 34.9026, 25.3744



28.4076, 34.9026, 36.0909



32.4993, 34.9026, 54.2499



38.4455, 34.9026, 39.9815

Rectangle

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



33.8577, 34.9026, 25.3744



29.8841, 34.9026, 28.2580



32.4993, 34.9026, 54.2499



36.6966, 34.9026, 49.7645

Sweetspot

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



33.8586, 34.9042, 25.3751



70.4318, 73.8176, 72.2561



30.9060, 26.7816, 31.2268



15.0979, 15.8097, 15.1603



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.8586, 34.9042, 25.3751



58.8313, 60.1561, 38.9799



36.2599, 41.2896, 26.4811



8.9092, 9.3309, 8.9840



17.0032, 14.5050, 1.9036



0.5900, 0.5664, 0.0782

Inverse Universe

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



27.1719, 28.5902, 45.1606



44.5804, 46.7037, 81.1604



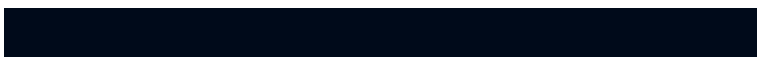
25.1973, 23.5436, 44.2906



8.3087, 8.7636, 10.7600



7.3945, 5.5894, 30.8261



0.2904, 0.2914, 0.9892

Previews

White Background



This preview shows how the XYZ color 33.8577, 34.9026, 25.3744 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 33.8577, 34.9026, 25.3744 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 33.8577, 34.9026, 25.3744

Background



This preview shows how black text looks on a background with the XYZ color 33.8577, 34.9026, 25.3744.



This preview shows how white text looks on a background with the XYZ color 33.8577, 34.9026,

25.3744.

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

33.8577, 34.9026, 25.3744

Protanopia

32.7228, 34.8163, 25.7644

Deuteranopia

35.6034, 34.8065, 25.6107



Tritanopia

36.7515, 34.8401, 39.9098

Trichromacy



Original Color

33.8577, 34.9026, 25.3744

Protanomaly

33.2026, 34.8094, 25.7378

Deuteranomaly

34.8095, 34.6413, 25.6207

Tritanomaly

35.7319, 34.9293, 34.1369

Monochromacy



Original Color

33.8577, 34.9026, 25.3744

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.0892, 34.5912, 32.9497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8577, 34.9026, 25.3744 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(176, 157, 128)` looks like.

```
.text, #text, p{  
    color:rgb(176, 157, 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(176, 157, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 157, 128) }
```

Border

The CSS property to change the border of an element to XYZ 33.8577, 34.9026, 25.3744 is called "border". The border property can be set on classes, ids or directly on the HTML element.

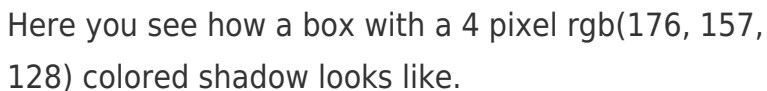
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 157, 128) }
```


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

```
.border{ border-color:rgb(176, 157, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 157, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 157, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 157, 128); box-shadow:4px 4px 4px 4px rgb(176, 157, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8577, 34.9026, 25.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 157, 128) }
```

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

```
.background{ background-color: rgb(176,  
157, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor