

Converting Colors

XYZ(33.7677, 25.1543, 35.2392)

Have a look what the booklet for
XYZ(33.7677, 25.1543, 35.2392)
contains.

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Color

**XYZ(33.8483, 25.1750,
35.4230)**

Conversions

Conversions Part 1

Format	Color
Hex	C16F9E
RGB	193, 111, 158
RGB Percent	76%, 44%, 62%
CMY	0.2431, 0.5647, 0.3804
CMYK	0.00, 0.42, 0.18, 0.24
HSL	326°, 40%, 60%
HSV	326°, 42%, 76%
XYZ	33.8483, 25.1750, 35.4230
YIQ	140.8760, 33.7850, 32.0010

Conversions

Conversions Part 2

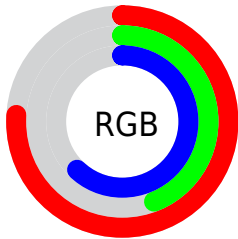
Format	Color
R_{YB}	193, 111, 158
Decimal	12677022
CIE Lab	57.25, 38.69, -11.27
CIE LCh	57, 40.301, 343.764
Yxy	25.1750, 0.3584, 0.2666
Android (android.graphics.Color)	4290867102 (0xFFC16F9E)
YUV	140.8760, 8.4421, 45.7127
Hunter-Lab	50.1747, 32.6120, -6.7361

Details

The XYZ color **33.8483, 25.1750, 35.4230** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **30.8150, 43.5954, 33.9868**, and the grayscale version is **25.2283, 26.5422, 28.9044**.

A 20% lighter version of the original color is **65.0694, 51.8642, 69.5321**, and **14.7509, 9.6965, 15.0041** is the 20% darker color. If you saturate the color by 10%, you get **31.2800, 21.1352, 31.1848**, and if you desaturate by 10%, it is **36.9206, 30.1461, 40.0643**.

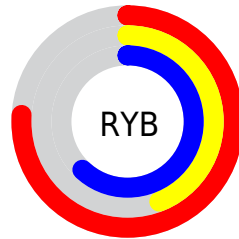
Distribution



Red (76%)

Green (44%)

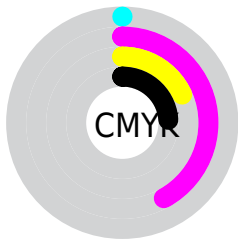
Blue (62%)



Red (76%)

Yellow (44%)

Blue (62%)

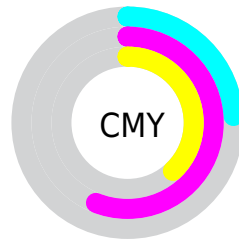


Cyan (0%)

Magenta (42%)

Yellow (18%)

Black (24%)



Cyan (24%)

Magenta (56%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8483, 25.1750, 35.4230 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 33.8483, 25.1750, 35.4230 by changing the saturation by 10% instead.

 33.8483, 25.1750,
35.4230


 33.8483, 25.1750,
35.4230


311.0529,
278.7083, 341.3923

 22.9394, 16.2075,
23.7027


 65.0436, 51.9410,
69.2995


 14.6692, 9.6711,
14.9031


 86.0606, 70.5082,
92.2929

 8.6724, 5.1814,
8.6055


 111.1778, 93.0442,
119.8810

 4.5835, 2.3541,
4.3915

 140.7605,
119.9333, 152.4825

 2.0372, 0.8021,
1.8425

175.1740,
151.5598, 190.5158

 0.6548, 0.0000,
0.4558

214.7836,

 0.0000, 0.0000,

188.3082, 234.3995

0.0000

259.9548,
230.5629, 284.5522

■ 33.8483, 25.1750,
35.4230

■ 33.8483, 25.1750,
35.4230

■ 31.2800, 21.1352,
31.1848

■ 36.9206, 30.1461,
40.0643

■ 29.1829, 17.9635,
27.3335

■ 40.5225, 36.0991,
45.1208

■ 27.5237, 15.5947,
23.8534


■ 44.6804, 43.0853,
50.6060


■ 26.2636, 13.9523,
20.7268


■ 49.4184, 51.1513,
56.5321


■ 25.3560, 12.9452,
17.9332


■ 54.7590, 60.3409,
62.9106

 24.8407, 12.4768,
16.0279

 60.7235, 70.6954,
69.7527

 67.3321, 82.2540,
77.0691

 71.1943, 88.2343,
83.7332

 72.3385, 88.6919,
89.7585

Harmonies

Analogous

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



30.8424, 25.1750, 51.0677



33.8483, 25.1750, 35.4230



33.9774, 25.1750, 21.6296

Triad

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



33.8483, 25.1750, 35.4230



21.8135, 25.1750, 9.0062



17.9017, 25.1750, 49.8650

Complementary

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



33.8483, 25.1750, 35.4230



30.8150, 43.5954, 33.9868

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.



16.0858, 25.1750, 34.1411



33.8483, 25.1750, 35.4230



18.1331, 25.1750, 12.4911

Square

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



33.8483, 25.1750, 35.4230



26.5827, 25.1750, 9.1465



16.1644, 25.1750, 20.7090



21.4564, 25.1750, 61.1165

Rectangle

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



33.8483, 25.1750, 35.4230



32.3829, 25.1750, 15.2600



16.1644, 25.1750, 20.7090



17.0901, 25.1750, 44.7363

Sweetspot

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



33.8491, 25.1762, 35.4235



79.4531, 76.2025, 89.9028



27.0177, 21.2555, 53.1310



16.6741, 15.7215, 18.8060



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



33.8491, 25.1762, 35.4235



56.3103, 38.2983, 56.3500



30.9378, 24.0117, 20.0933



10.3097, 10.1725, 11.7213



16.5626, 8.3148, 10.8747



0.7496, 0.3728, 0.6485

Inverse Universe

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



33.8491, 25.1762, 35.4235



56.3103, 38.2983, 56.3500



34.5070, 45.0723, 53.4289



10.3097, 10.1725, 11.7213



16.5626, 8.3148, 10.8747



0.7496, 0.3728, 0.6485

Previews

White Background



This preview shows how the XYZ color 33.8483, 25.1750, 35.4230 looks on a white background.

Color Contrast Check

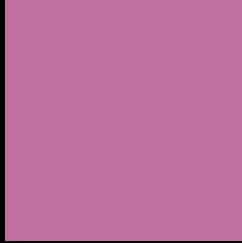
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8483, 25.1750, 35.4230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

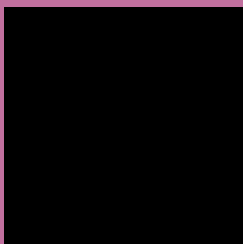
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8483, 25.1750, 35.4230

Background



This preview shows how black text looks on a background with the XYZ color 33.8483, 25.1750, 35.4230.



This preview shows how white text looks on a background with the XYZ color 33.8483, 25.1750,

35.4230.

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

33.8483, 25.1750, 35.4230

Protanopia

25.4441, 25.2927, 44.0984

Deuteranopia

25.8594, 25.3126, 34.0947



Tritanopia

31.3624, 25.1761, 22.9452

Trichromacy



Original Color

33.8483, 25.1750, 35.4230

Protanomaly

27.6997, 24.7187, 40.8474

Deuteranomaly

28.2775, 24.9696, 34.3396

Tritanomaly

32.2040, 25.1728, 27.2063

Monochromacy



Original Color

33.8483, 25.1750, 35.4230

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.7463, 25.5454, 31.0721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8483, 25.1750, 35.4230 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(193, 111, 158)` looks like.

```
.text, #text, p{  
    color:rgb(193, 111, 158)  
}
```

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(193, 111, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 111, 158) }
```

Border

The CSS property to change the border of an element to XYZ 33.8483, 25.1750, 35.4230 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(193, 111, 158) }
```


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

```
.border{ border-color:rgb(193, 111, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 111, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 111, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 111, 158);  
box-shadow:4px 4px 4px 4px rgb(193, 111,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8483, 25.1750, 35.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 111, 158) }
```

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

```
.background{ background-color: rgb(193,  
111, 158) }
```

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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