

Converting Colors

XYZ(33.7818, 25.1997, 30.3321)

Have a look what the booklet for
XYZ(33.7818, 25.1997, 30.3321)
contains.

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Color

**XYZ(33.8987, 25.3145,
30.2937)**

Conversions

Conversions Part 1

Format	Color
Hex	C56F92
RGB	197, 111, 146
RGB Percent	77%, 44%, 57%
CMY	0.2274, 0.5647, 0.4274
CMYK	0.00, 0.44, 0.26, 0.23
HSL	336°, 43%, 60%
HSV	336°, 44%, 77%
XYZ	33.8987, 25.3145, 30.2937
YIQ	140.7040, 40.0210, 29.1170

Conversions

Conversions Part 2

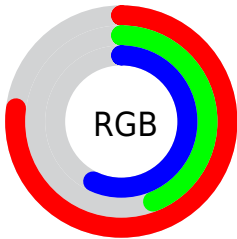
Format	Color
R_{YB}	197, 111, 146
Decimal	12939154
CIE _{Lab}	57.38, 38.29, -4.05
CIE _{LCh}	57, 38.501, 353.966
Yxy	25.3145, 0.3787, 0.2828
Android (android.graphics.Color)	4291129234 (0xFFC56F92)
YUV	140.7040, 2.6109, 49.3716
Hunter-Lab	50.3135, 32.2156, -0.4790

Details

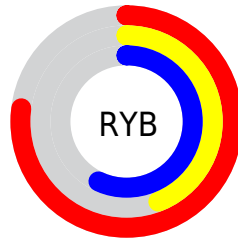
The XYZ color **33.8987, 25.3145, 30.2937** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **33.0445, 45.9213, 41.3067**, and the grayscale version is **25.1814, 26.4928, 28.8507**.

A 20% lighter version of the original color is **64.9408, 51.9810, 61.2542**, and **14.7117, 9.7390, 12.1707** is the 20% darker color. If you saturate the color by 10%, you get **31.1185, 21.1349, 25.1099**, and if you desaturate by 10%, it is **37.2472, 30.4816, 36.1257**.

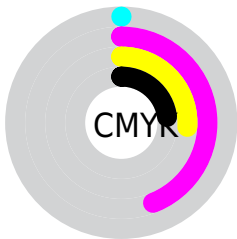
Distribution



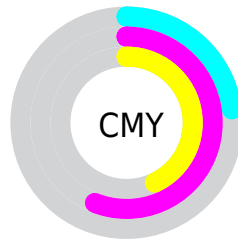
- Red (77%)
- Green (44%)
- Blue (57%)



- Red (77%)
- Yellow (44%)
- Blue (57%)



- Cyan (0%)
- Magenta (44%)
- Yellow (26%)
- Black (23%)





- Cyan (23%)
- Magenta (56%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8987, 25.3145, 30.2937 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 33.8987, 25.3145, 30.2937 by changing the saturation by 10% instead.


 33.8987, 25.3145,
30.2937

 33.8987, 25.3145,
30.2937


311.2740,
279.4006, 317.5209


 22.9783, 16.3115,
19.8077


 65.1214, 52.1670,
61.1928


 14.6981, 9.7449,
12.0726


 86.1545, 70.7853,
82.4430

 8.6927, 5.2301,
6.6700


 111.2892, 93.3774,
108.1183

 4.5968, 2.3829,
3.1813

 140.8908,
120.3279, 138.6373

 2.0450, 0.8171,
1.1879

175.3247,
152.0211, 174.4185

 0.6590, 0.0000,
0.0000

214.9563,

 0.0000, 0.0000,

188.8413, 215.8805

0.0000

260.1510,
231.1730, 263.4418

■ 33.8987, 25.3145,
30.2937

■ 33.8987, 25.3145,
30.2937

■ 31.1185, 21.1349,
25.1099

■ 37.2472, 30.4816,
36.1257

■ 28.8703, 17.8751,
20.5478

■ 41.1931, 36.6910,
42.6280

■ 27.1164, 15.4645,
16.5807


■ 45.7662, 43.9976,
49.8233


■ 25.8131, 13.8205,
13.1789


■ 50.9933, 52.4514,
57.7327


■ 24.9080, 12.8434,
10.3089


■ 56.8998, 62.0993,
66.3764

 24.4803, 12.4520,
8.7354

 63.5098, 72.9857,
75.7736

 70.8459, 85.1527,
85.9429

 74.4350, 89.6499,
95.4037

 76.2221, 90.3648,
104.8148

Harmonies

Analogous

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



31.8883, 25.3145, 45.1738



33.8987, 25.3145, 30.2937



33.0156, 25.3145, 18.5532

Triad

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



33.8987, 25.3145, 30.2937



20.6652, 25.3145, 10.3706



19.2533, 25.3145, 53.3305

Complementary

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



33.8987, 25.3145, 30.2937



33.0445, 45.9213, 41.3067

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.



16.8918, 25.3145, 39.1001



33.8987, 25.3145, 30.2937



17.6319, 25.3145, 15.2523

Square

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



33.8987, 25.3145, 30.2937



24.9961, 25.3145, 9.3482



16.3380, 25.3145, 25.0019



23.1489, 25.3145, 60.9240

Rectangle

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



33.8987, 25.3145, 30.2937



30.9548, 25.3145, 13.5246



16.3380, 25.3145, 25.0019



18.2746, 25.3145, 48.9830

Sweetspot

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



33.8994, 25.3157, 30.2942



82.3661, 79.4408, 89.8478



30.4951, 22.9959, 55.6549



17.2129, 16.3338, 18.5867



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.



33.8994, 25.3157, 30.2942



56.1210, 38.4264, 45.7212



32.3942, 26.0155, 18.3546



10.8098, 10.7073, 11.9816



16.1409, 8.2059, 5.9517



0.8000, 0.4029, 0.4701

Inverse Universe

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



33.8994, 25.3157, 30.2942



56.1210, 38.4264, 45.7212



35.0118, 44.1661, 59.5031



10.8098, 10.7073, 11.9816



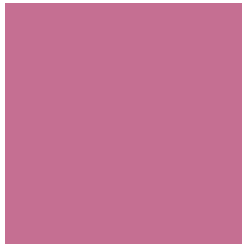
16.1409, 8.2059, 5.9517



0.8000, 0.4029, 0.4701

Previews

White Background



This preview shows how the XYZ color 33.8987, 25.3145, 30.2937 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 33.8987, 25.3145, 30.2937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

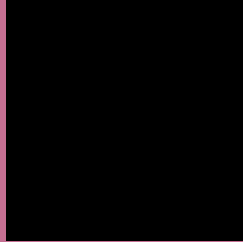
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8987, 25.3145, 30.2937

Background



This preview shows how black text looks on a background with the XYZ color 33.8987, 25.3145, 30.2937.



This preview shows how white text looks on a background with the XYZ color 33.8987, 25.3145,

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

33.8987, 25.3145, 30.2937

Protanopia

25.1401, 25.4865, 37.7768

Deuteranopia

25.9853, 25.4872, 29.1411



Tritanopia

32.2745, 25.3188, 22.2547

Trichromacy



Original Color

33.8987, 25.3145, 30.2937

Protanomaly

27.4302, 24.9066, 34.8142

Deuteranomaly

28.3551, 25.1204, 29.3408

Tritanomaly

32.9471, 25.4363, 25.0030

Monochromacy



Original Color

33.8987, 25.3145, 30.2937

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.6385, 25.5255, 29.4568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8987, 25.3145, 30.2937 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(197, 111, 146)` looks like.

```
.text, #text, p{  
    color:rgb(197, 111, 146)  
}
```

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(197, 111, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 111, 146) }
```

Border

The CSS property to change the border of an element to XYZ 33.8987, 25.3145, 30.2937 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(197, 111, 146) }
```


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

```
.border{ border-color:rgb(197, 111, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 111, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 111, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 111, 146);  
box-shadow:4px 4px 4px 4px rgb(197, 111,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8987, 25.3145, 30.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 111, 146) }
```

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

```
.background{ background-color: rgb(197,  
111, 146) }
```

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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