

Converting Colors

XYZ(42.5856, 33.2902, 58.2241)

Have a look what the booklet for
XYZ(42.5856, 33.2902, 58.2241)
contains.

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Color

**XYZ(42.5157, 33.1779,
58.1960)**

Conversions

Conversions Part 1

Format	Color
Hex	C885C7
RGB	200, 133, 199
RGB Percent	78%, 52%, 78%
CMY	0.2157, 0.4784, 0.2196
CMYK	0.00, 0.33, 0.01, 0.22
HSL	301°, 38%, 65%
HSV	301°, 33%, 78%
XYZ	42.5157, 33.1779, 58.1960
YIQ	160.5570, 18.7460, 34.7300

Conversions

Conversions Part 2

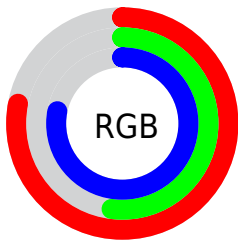
Format	Color
R _Y B	200, 133, 199
Decimal	13141447
CIE Lab	64.30, 36.25, -23.85
CIE LCh	64, 43.393, 326.655
Yxy	33.1779, 0.3175, 0.2478
Android (android.graphics.Color)	4291331527 (0xFFC885C7)
YUV	160.5570, 18.9524, 34.5915
Hunter-Lab	57.6003, 30.9533, -19.5830

Details

The XYZ color **42.5157, 33.1779, 58.1960** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.6315, 48.0174, 29.9990**, and the grayscale version is **33.5807, 35.3295, 38.4739**.

A 20% lighter version of the original color is **77.0603, 64.0206, 102.9034**, and **19.8052, 14.0987, 28.4655** is the 20% darker color. If you saturate the color by 10%, you get **39.9996, 28.2004, 57.1867**, and if you desaturate by 10%, it is **45.5553, 39.2009, 59.3808**.

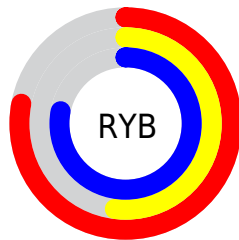
Distribution



Red (78%)

Green (52%)

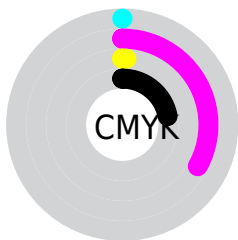
Blue (78%)



Red (78%)

Yellow (52%)

Blue (78%)

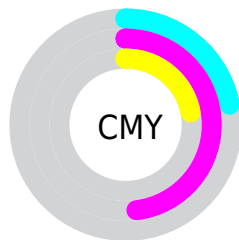


Cyan (0%)

Magenta (33%)

Yellow (1%)

Black (22%)



Cyan (22%)


Magenta (48%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5157, 33.1779, 58.1960 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 42.5157, 33.1779, 58.1960 by changing the saturation by 10% instead.


 42.5157, 33.1779,
58.1960

 42.5157, 33.1779,
58.1960

347.5716,
316.4506, 435.5345


 29.6982, 22.2628,
41.5505


 78.2398, 64.6532,
103.7258

 19.7565, 14.0501,
28.4265


 101.8771, 85.9821,
133.4472

 12.3254, 8.1555,
18.4056

 129.8517,
111.5511, 168.3643

 7.0395, 4.1946,
11.0691

162.5289,
141.7445, 208.8957

 3.5334, 1.7830,
5.9986

200.2742,
176.9468, 255.4599

 1.4417, 0.4766,
2.7755

243.4528,

 0.2856, 0.0000,

217.5423, 308.4754

0.9812

292.4302,
263.9154, 368.3607

■ 0.0000, 0.0000,
0.0000

■ 42.5157, 33.1779,
58.1960

■ 42.5157, 33.1779,
58.1960

■ 39.9996, 28.2004,
57.1867

■ 45.5553, 39.2009,
59.3808

■ 37.9741, 24.2048,
56.3410

■ 49.1426, 46.3198,
60.7481

■ 36.4077, 21.1272,
55.6486


■ 53.3040, 54.5869,
62.3072


■ 35.2637, 18.8944,
55.0974


■ 58.0634, 64.0498,
64.0659


■ 34.5000, 17.4220,
54.6733


■ 63.4432, 74.7535,
66.0318


 34.0657, 16.6083,
54.3593

 69.4649, 86.7406,
68.2119

 33.8995, 16.3114,
54.1940

 70.1331, 88.0209,
68.6079

 70.1683, 88.0349,
68.7932

 70.2035, 88.0490,
68.9789

Harmonies

Analogous

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



37.1599, 33.1779, 75.7770



42.5157, 33.1779, 58.1960



44.9176, 33.1779, 38.1432

Triad

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



42.5157, 33.1779, 58.1960



32.2316, 33.1779, 11.7199



22.0785, 33.1779, 53.6054

Complementary

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



42.5157, 33.1779, 58.1960



34.6315, 48.0174, 29.9990

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.



21.1150, 33.1779, 34.1794



42.5157, 33.1779, 58.1960



26.5077, 33.1779, 13.4782

Square

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



42.5157, 33.1779, 58.1960



38.5131, 33.1779, 14.5315



22.6286, 33.1779, 20.4868



25.4545, 33.1779, 72.5759

Rectangle

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



42.5157, 33.1779, 58.1960



44.3160, 33.1779, 27.2385



22.6286, 33.1779, 20.4868



21.4824, 33.1779, 46.7606

Sweetspot

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



42.5168, 33.1794, 58.1967



87.3866, 84.7712, 106.0434



28.4872, 25.9334, 58.1485



18.4918, 17.7224, 22.6177



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.



42.5168, 33.1794, 58.1967



70.4370, 51.1648, 99.4908



39.1370, 31.8275, 40.3993



11.0760, 10.8138, 13.3836



21.5574, 10.3725, 34.4747



1.0230, 0.4920, 1.6442

Inverse Universe

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



42.5168, 33.1794, 58.1967



70.4370, 51.1648, 99.4908



37.2573, 49.0677, 43.8260



11.0760, 10.8138, 13.3836



21.5574, 10.3725, 34.4747



1.0230, 0.4920, 1.6442

Previews

White Background



This preview shows how the XYZ color 42.5157, 33.1779, 58.1960 looks on a white background.

Color Contrast Check

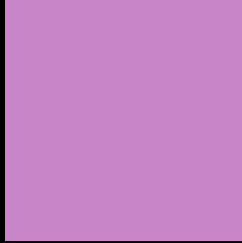
Large Text (above 18pt) WCAG AA × Fail

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 42.5157, 33.1779, 58.1960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

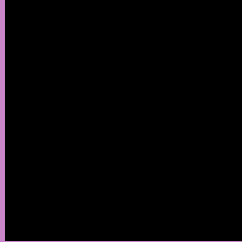
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.5157, 33.1779, 58.1960

Background



This preview shows how black text looks on a background with the XYZ color 42.5157, 33.1779, 58.1960.



This preview shows how white text looks on a background with the XYZ color 42.5157, 33.1779,

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

42.5157, 33.1779, 58.1960

Protanopia

34.3026, 33.4208, 68.9329

Deuteranopia

34.0041, 33.3019, 56.2655



Tritanopia

37.6709, 33.1152, 34.5434

Trichromacy



Original Color

42.5157, 33.1779, 58.1960

Protanomaly

36.4854, 32.7383, 64.7177

Deuteranomaly

36.6049, 32.9783, 56.6607

Tritanomaly

39.2533, 33.1033, 42.3509

Monochromacy



Original Color

42.5157, 33.1779, 58.1960

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.4837, 34.3423, 45.2633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5157, 33.1779, 58.1960 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(200, 133, 199)` looks like.

```
.text, #text, p{  
    color:rgb(200, 133, 199)  
}
```

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(200, 133, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 133, 199) }
```

Border

The CSS property to change the border of an element to XYZ 42.5157, 33.1779, 58.1960 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(200, 133, 199) }
```


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

```
.border{ border-color:rgb(200, 133, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 133, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 133, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 133, 199);  
box-shadow:4px 4px 4px 4px rgb(200, 133,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5157, 33.1779, 58.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 133, 199) }
```

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

```
.background{ background-color: rgb(200,  
133, 199) }
```

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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