

Converting Colors

XYZ(42.2650, 33.2319, 60.0292)

Have a look what the booklet for
XYZ(42.2650, 33.2319, 60.0292)
contains.

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Color

**XYZ(42.2117, 33.1848,
60.0576)**

Conversions

Conversions Part 1

Format	Color
Hex	C586CA
RGB	197, 134, 202
RGB Percent	77%, 53%, 79%
CMY	0.2274, 0.4745, 0.2078
CMYK	0.02, 0.34, 0.00, 0.21
HSL	296°, 39%, 66%
HSV	296°, 34%, 79%
XYZ	42.2117, 33.1848, 60.0576
YIQ	160.5890, 15.7200, 34.5040

Conversions

Conversions Part 2

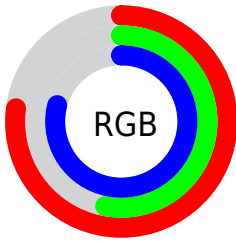
Format	Color
R_{YB}	197, 134, 202
Decimal	12945098
CIE _{Lab}	64.31, 35.31, -25.55
CIE _{LCh}	64, 43.589, 324.107
Yxy	33.1848, 0.3116, 0.2450
Android (android.graphics.Color)	4291135178 (0xFFC586CA)
YUV	160.5890, 20.4156, 31.9324
Hunter-Lab	57.6062, 29.9872, -21.4886

Details

The XYZ color **42.2117, 33.1848, 60.0576** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.0722, 49.4521, 30.1999**, and the grayscale version is **33.5900, 35.3393, 38.4845**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **19.5939, 14.0754, 29.7011** is the 20% darker color. If you saturate the color by 10%, you get **39.2953, 27.9258, 59.1967**, and if you desaturate by 10%, it is **45.6673, 39.5151, 61.0978**.

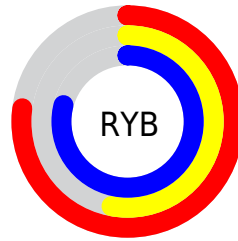
Distribution



Red (77%)

Green (53%)

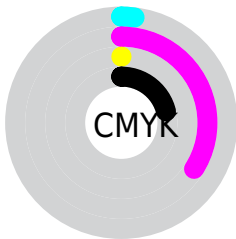
Blue (79%)



Red (77%)

Yellow (53%)

Blue (79%)

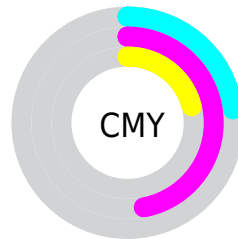


Cyan (2%)

Magenta (34%)

Yellow (0%)

Black (21%)



Cyan (23%)

Magenta (47%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2117, 33.1848, 60.0576 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 42.2117, 33.1848, 60.0576 by changing the saturation by 10% instead.


 42.2117, 33.1848,
60.0576

 42.2117, 33.1848,
60.0576


346.3365,
316.4816, 442.6206


 29.4589, 22.2681,
43.0395


 77.7831, 64.6639,
106.4574

 19.5743, 14.0540,
29.5844


 101.3324, 85.9951,
136.6762

 12.1924, 8.1582,
19.2740


 129.2113,
111.5666, 172.1322

 6.9480, 4.1964,
11.6896

161.7851,
141.7627, 213.2441

 3.4756, 1.7840,
6.4127

199.4191,
176.9678, 260.4303

 1.4100, 0.4772,
3.0248

242.4788,

 0.2633, 0.0000,

217.5665, 314.1094

1.1073

291.3295,
263.9429, 374.7000

■ 0.0000, 0.0000,
0.0000

■ 42.2117, 33.1848,
60.0576

■ 42.2117, 33.1848,
60.0576

■ 39.2953, 27.9258,
59.1967

■ 45.6673, 39.5151,
61.0978

■ 36.8844, 23.6729,
58.5029

■ 49.6870, 46.9685,
62.3246

■ 34.9466, 20.3605,
57.9657

■ 54.2979, 55.5986,
63.7474

■ 33.4442, 17.9134,
57.5725

■ 59.5244, 65.4543,
65.3742

■ 32.3340, 16.2448,
57.3089

■ 65.3897, 76.5816,
67.2129

■ 31.5634, 15.2500,
57.1575

■ 71.8501, 88.8936,
69.2489

■ 31.1906, 14.8478,
57.0996

■ 72.2642, 89.1071,
69.2682

■ 72.6822, 89.3226,
69.2878

■ 73.1041, 89.5401,
69.3075

Harmonies

Analogous

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



36.6623, 33.1848, 77.0871



42.2117, 33.1848, 60.0576



44.9396, 33.1848, 39.7505

Triad

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



42.2117, 33.1848, 60.0576



32.7804, 33.1848, 11.7089



21.8675, 33.1848, 51.9389

Complementary

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



42.2117, 33.1848, 60.0576



36.0722, 49.4521, 30.1999

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.



21.1117, 33.1848, 32.7411



42.2117, 33.1848, 60.0576



26.9206, 33.1848, 13.0780

Square

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



42.2117, 33.1848, 60.0576



39.0549, 33.1848, 14.9393



22.8399, 33.1848, 19.5920



25.0588, 33.1848, 71.4255

Rectangle

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



42.2117, 33.1848, 60.0576



44.5654, 33.1848, 28.4374



22.8399, 33.1848, 19.5920



21.3393, 33.1848, 45.1041

Sweetspot

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



42.2128, 33.1862, 60.0583



86.7614, 84.4419, 106.3338



29.8231, 27.9931, 59.7090



18.3393, 17.6421, 22.6886



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.



42.2128, 33.1862, 60.0583



67.9757, 49.8677, 100.6505



40.4908, 32.6512, 44.0436



11.6030, 11.3602, 14.1516



20.1034, 9.5712, 36.7441



1.0620, 0.5066, 1.8967

Inverse Universe

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



37.5435, 31.4723, 28.5237



59.0202, 46.5981, 39.3710



37.5045, 49.9307, 42.0003



11.2452, 11.2268, 11.8260



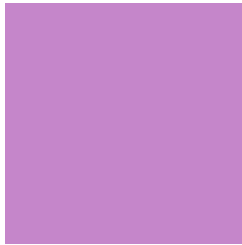
15.7410, 8.1070, 1.0890



0.8240, 0.4230, 0.1190

Previews

White Background



This preview shows how the XYZ color 42.2117, 33.1848, 60.0576 looks on a white background.

Color Contrast Check

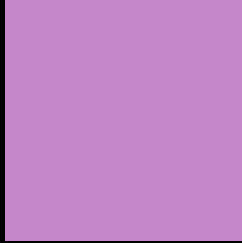
Large Text (above 18pt) WCAG AA × Fail

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 42.2117, 33.1848, 60.0576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

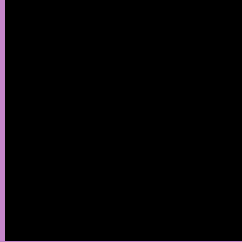
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2117, 33.1848, 60.0576

Background



This preview shows how black text looks on a background with the XYZ color 42.2117, 33.1848, 60.0576.



This preview shows how white text looks on a background with the XYZ color 42.2117, 33.1848,

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

42.2117, 33.1848, 60.0576

Protanopia

34.3965, 33.4393, 70.2872

Deuteranopia

33.9787, 33.2492, 58.0530



Tritanopia

37.3755, 33.3894, 35.4852

Trichromacy



Original Color

42.2117, 33.1848, 60.0576

Protanomaly

36.6155, 32.9918, 66.7256

Deuteranomaly

36.3136, 32.7883, 58.4477

Tritanomaly

38.8168, 33.0722, 43.3674

Monochromacy



Original Color

42.2117, 33.1848, 60.0576

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.3586, 34.2665, 45.7721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2117, 33.1848, 60.0576 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, 134, 202)` looks like.

```
.text, #text, p{  
    color:rgb(197, 134, 202)  
}
```

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, 134, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 134, 202) }
```

Border

The CSS property to change the border of an element to XYZ 42.2117, 33.1848, 60.0576 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, 134, 202) }
```


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

```
.border{ border-color:rgb(197, 134, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 134, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 134, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 134, 202);  
box-shadow:4px 4px 4px 4px rgb(197, 134,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2117, 33.1848, 60.0576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 134, 202) }
```

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

```
.background{ background-color: rgb(197,  
134, 202) }
```

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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