

Converting Colors

XYZ(42.1065, 29.4942, 63.4807)

Have a look what the booklet for
XYZ(42.1065, 29.4942, 63.4807)
contains.

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Color

**XYZ(42.2680, 29.5614,
63.7998)**

Conversions

Conversions Part 1

Format	Color
Hex	CB73D1
RGB	203, 115, 209
RGB Percent	80%, 45%, 82%
CMY	0.2039, 0.5490, 0.1804
CMYK	0.03, 0.45, 0.00, 0.18
HSL	296°, 51%, 64%
HSV	296°, 45%, 82%
XYZ	42.2680, 29.5614, 63.7998
YIQ	152.0280, 22.2740, 47.8900

Conversions

Conversions Part 2

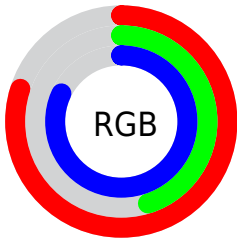
Format	Color
RYB	203, 115, 209
Decimal	13333457
CIELab	61.27, 48.57, -34.13
CIElCh	61, 59.361, 324.905
Yxy	29.5614, 0.3116, 0.2180
Android (android.graphics.Color)	4291523537 (0xFFCB73D1)
YUV	152.0280, 28.0872, 44.7024
Hunter-Lab	54.3704, 43.6192, -31.5133

Details

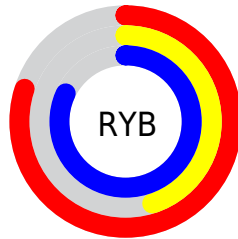
The XYZ color **42.2680, 29.5614, 63.7998** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.7810, 50.9044, 24.2661**, and the grayscale version is **29.7339, 31.2824, 34.0666**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **19.6429, 12.0912, 31.8704** is the 20% darker color. If you saturate the color by 10%, you get **39.7880, 25.1377, 63.0771**, and if you desaturate by 10%, it is **45.2934, 35.0697, 64.7040**.

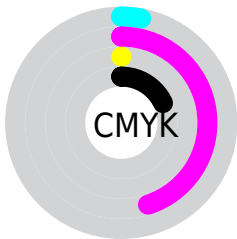
Distribution



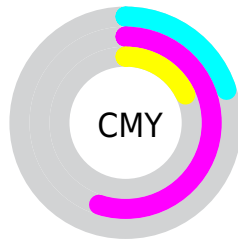
- Red (80%)
- Green (45%)
- Blue (82%)



- Red (80%)
- Yellow (45%)
- Blue (82%)



- Cyan (3%)
- Magenta (45%)
- Yellow (0%)
- Black (18%)





- Cyan (20%)
- Magenta (55%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2680, 29.5614, 63.7998 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 42.2680, 29.5614, 63.7998 by changing the saturation by 10% instead.


 42.2680, 29.5614,
63.7998

 42.2680, 29.5614,
63.7998


346.5655,
299.8547, 456.6539


 29.5032, 19.5059,
46.0434


 77.8677, 58.9679,
111.9193

 19.6080, 12.0364,
31.9312


 101.4333, 79.0876,
143.1194

 12.2170, 6.7685,
21.0445

 129.3299,
103.3310, 179.6379

 6.9649, 3.3177,
12.9650

161.9229,
132.0822, 221.8932

 3.4863, 1.2998,
7.2740

199.5776,
165.7258, 270.3039

 1.4158, 0.1410,
3.5530

242.6594,

 0.2675, 0.0000,

204.6462, 325.2886

1.3835

291.5335,
249.2277, 387.2657

■ 0.0000, 0.0000,
0.1288

■ 0.0000, 0.0000,
0.0000

■ 42.2680, 29.5614,
63.7998

■ 42.2680, 29.5614,
63.7998

■ 39.7880, 25.1377,
63.0771

■ 45.2934, 35.0697,
64.7040

■ 37.8134, 21.7208,
62.5216


■ 48.8946, 41.7259,
65.7990


■ 36.3035, 19.2288,
62.1202


■ 53.1035, 49.5927,
67.0956


■ 35.2101, 17.5652,
61.8567


■ 57.9486, 58.7275,
68.6034


 34.4743, 16.6120,
61.7115


 63.4569, 69.1837,
70.3313

 34.1858, 16.2940,
61.6653

 69.6535, 81.0119,
72.2878

 74.5179, 90.1710,
73.7993

 74.9048, 90.3704,
73.8174

 75.2950, 90.5716,
73.8357

Harmonies

Analogous

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



34.9101, 29.5614, 89.1031



42.2680, 29.5614, 63.7998



45.8736, 29.5614, 36.1611

Triad

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



42.2680, 29.5614, 63.7998



29.4525, 29.5614, 5.5387



16.5556, 29.5614, 53.9171

Complementary

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



42.2680, 29.5614, 63.7998



33.7810, 50.9044, 24.2661

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.



15.6332, 29.5614, 28.5159



42.2680, 29.5614, 63.7998



22.2339, 29.5614, 6.8104

Square

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



42.2680, 29.5614, 63.7998



37.6493, 29.5614, 8.2591



17.5111, 29.5614, 13.2472



20.3151, 29.5614, 81.7808

Rectangle

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



42.2680, 29.5614, 63.7998



45.2578, 29.5614, 22.3408



17.5111, 29.5614, 13.2472



15.9369, 29.5614, 44.5704

Sweetspot

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



42.2690, 29.5627, 63.8004



84.5974, 80.2438, 105.6376



25.4498, 21.9893, 63.2251



17.7650, 16.5323, 22.5047



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.



42.2690, 29.5627, 63.8004



62.5267, 39.6437, 98.9642



39.5189, 28.6551, 40.6254



12.2332, 11.9690, 14.9092



21.1098, 10.0628, 38.0222



1.2033, 0.5745, 2.1270

Inverse Universe

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



35.8773, 27.1984, 21.4491



51.4079, 35.5612, 23.9230



35.8499, 51.6378, 39.4131



11.8389, 11.8203, 12.4275



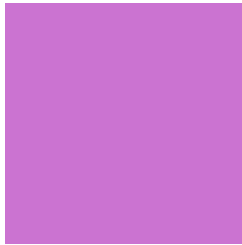
16.2713, 8.3814, 1.0690



0.9208, 0.4730, 0.1175

Previews

White Background



This preview shows how the XYZ color 42.2680, 29.5614, 63.7998 looks on a white background.

Color Contrast Check

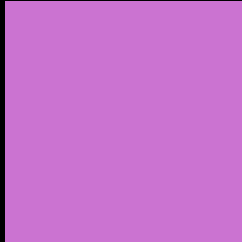
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.2680, 29.5614, 63.7998 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 42.2680, 29.5614, 63.7998

Background



This preview shows how black text looks on a background with the XYZ color 42.2680, 29.5614, 63.7998.

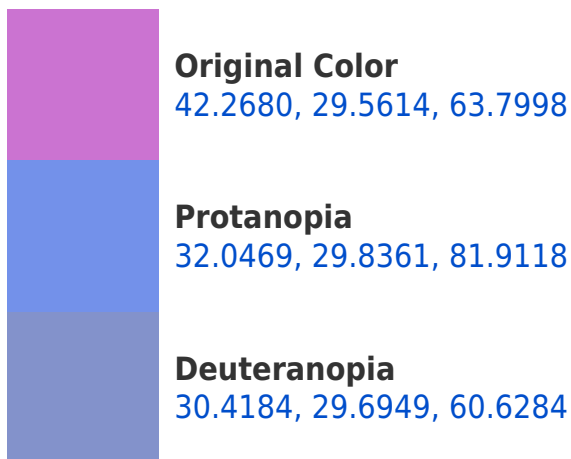


This preview shows how white text looks on a background with the XYZ color 42.2680, 29.5614,

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





Tritanopia

35.0981, 29.5954, 28.6736

Trichromacy



Original Color

42.2680, 29.5614, 63.7998



Protanomaly

34.1483, 28.6895, 74.9720



Deuteranomaly

33.5880, 28.9038, 61.5663



Tritanomaly

37.1511, 29.2542, 39.2859

Monochromacy



Original Color

42.2680, 29.5614, 63.7998



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

33.5700, 30.1403, 43.5835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2680, 29.5614, 63.7998 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(203, 115, 209)` looks like.

```
.text, #text, p{  
    color:rgb(203, 115, 209)  
}
```

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(203, 115, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 115, 209) }
```

Border

The CSS property to change the border of an element to XYZ 42.2680, 29.5614, 63.7998 is called "border". The border property can be set on classes, ids or directly on the HTML element.

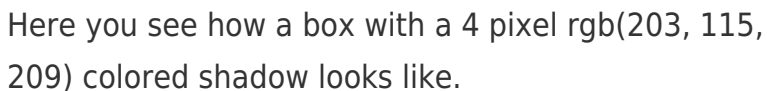
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 115, 209) }
```


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

```
.border{ border-color:rgb(203, 115, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 115, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 115, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 115, 209); box-shadow:4px 4px 4px 4px rgb(203, 115, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2680, 29.5614, 63.7998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 115, 209) }
```

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

```
.background{ background-color: rgb(203,  
115, 209) }
```

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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