

Converting Colors

XYZ(42.1735, 30.4588, 65.7125)

Have a look what the booklet for
XYZ(42.1735, 30.4588, 65.7125)
contains.

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Color

**XYZ(42.2742, 30.5703,
65.9599)**

Conversions

Conversions Part 1

Format	Color
Hex	C779D4
RGB	199, 121, 212
RGB Percent	78%, 47%, 83%
CMY	0.2196, 0.5255, 0.1686
CMYK	0.06, 0.43, 0.00, 0.17
HSL	291°, 51%, 65%
HSV	291°, 43%, 83%
XYZ	42.2742, 30.5703, 65.9599
YIQ	154.6960, 17.2770, 44.8370

Conversions

Conversions Part 2

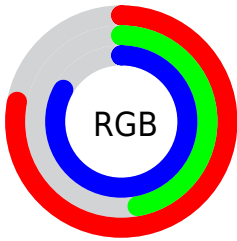
Format	Color
R _Y B	199, 121, 212
Decimal	13072852
CIE Lab	62.14, 44.84, -34.50
CIE LCh	62, 56.575, 322.428
Yxy	30.5703, 0.3046, 0.2202
Android (android.graphics.Color)	4291262932 (0xFFC779D4)
YUV	154.6960, 28.2509, 38.8546
Hunter-Lab	55.2904, 39.7201, -32.0280

Details

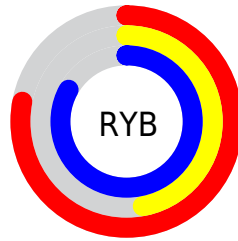
The XYZ color **42.2742, 30.5703, 65.9599** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **36.8272, 53.5365, 26.4831**, and the grayscale version is **30.8963, 32.5053, 35.3983**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **19.5416, 12.5302, 33.2869** is the 20% darker color. If you saturate the color by 10%, you get **39.1801, 25.5625, 65.1568**, and if you desaturate by 10%, it is **45.9524, 36.7211, 66.9537**.

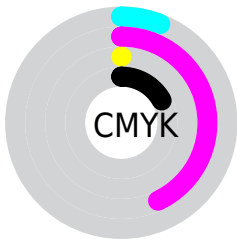
Distribution



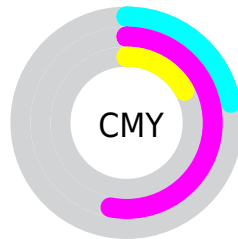
- Red (78%)
- Green (47%)
- Blue (83%)



- Red (78%)
- Yellow (47%)
- Blue (83%)



- Cyan (6%)
- Magenta (43%)
- Yellow (0%)
- Black (17%)



- Cyan (22%)
- Magenta (53%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2742, 30.5703, 65.9599 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 42.2742, 30.5703, 65.9599 by changing the saturation by 10% instead.

42.2742, 30.5703,
65.9599

42.2742, 30.5703,
65.9599

346.5907,
304.5538, 464.6338

29.5081, 20.2719,
47.7836

77.8770, 60.5629,
115.0552

19.6117, 12.5928,
33.2968

101.4444, 81.0259,
146.8113

12.2198, 7.1488,
22.0809

129.3430,
105.6458, 183.9311

6.9668, 3.5553,
13.7175

161.9381,
134.8071, 226.8330

3.4875, 1.4281,
7.7879

199.5951,
168.8942, 275.9357

1.4165, 0.2373,
3.8737

242.6792,

0.2679, 0.0000,

208.2914, 331.6577

1.5563

291.5560,
253.3831, 394.4176

■ 0.0000, 0.0000,
0.2594

■ 0.0000, 0.0000,
0.0000

■ 42.2742, 30.5703,
65.9599

■ 42.2742, 30.5703,
65.9599

■ 39.1801, 25.5625,
65.1568

■ 45.9524, 36.7211,
66.9537

■ 36.6295, 21.6187,
64.5300


■ 50.2459, 44.0792,
68.1477

■ 34.5812, 18.6562,
64.0662


■ 55.1870, 52.7087,
69.5529


■ 32.9869, 16.5783,
63.7491


■ 60.8051, 62.6680,
71.1792


 31.7881, 15.2682,
63.5594


 67.1277, 74.0120,
73.0355

 31.1081, 14.6640,
63.4787

 74.1807, 86.7924,
75.1307

 77.2198, 91.5205,
75.8831

 78.1459, 91.9980,
75.9264

 79.0887, 92.4840,
75.9706

Harmonies

Analogous

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



35.0077, 30.5703, 89.0378



42.2742, 30.5703, 65.9599



46.1206, 30.5703, 39.1229

Triad

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



42.2742, 30.5703, 65.9599



31.0286, 30.5703, 6.6211



17.5147, 30.5703, 51.9835

Complementary

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



42.2742, 30.5703, 65.9599



36.8272, 53.5365, 26.4831

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.



16.8248, 30.5703, 28.0604



42.2742, 30.5703, 65.9599



23.8205, 30.5703, 7.6240

Square

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



42.2742, 30.5703, 65.9599



38.9295, 30.5703, 9.8852



18.9279, 30.5703, 13.7054



21.0115, 30.5703, 78.8089

Rectangle

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



42.2742, 30.5703, 65.9599



45.8281, 30.5703, 25.0527



18.9279, 30.5703, 13.7054



16.9749, 30.5703, 43.1501

Sweetspot

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



42.2753, 30.5716, 65.9606



83.6506, 79.7558, 105.5933



28.3853, 26.0502, 65.8199



17.5287, 16.4105, 22.4936



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.



42.2753, 30.5716, 65.9606



59.6700, 39.0803, 99.0060



42.2432, 30.9744, 47.0134



12.7705, 12.5386, 15.6846



19.2695, 9.0863, 39.1914



1.2111, 0.5732, 2.3661

Inverse Universe

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



38.2928, 29.3943, 26.2109



53.0820, 37.2108, 29.7177



37.1670, 53.4476, 38.4309



12.4948, 12.4494, 13.2799



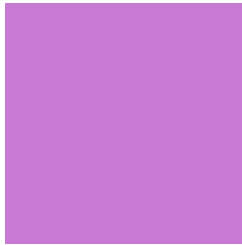
16.9311, 8.7087, 1.6751



1.0449, 0.5348, 0.2260

Previews

White Background



This preview shows how the XYZ color 42.2742, 30.5703, 65.9599 looks on a white background.

Color Contrast Check

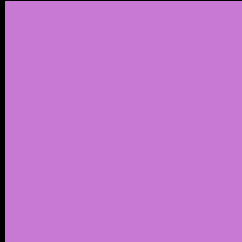
Large Text (above 18pt) WCAG AA × Fail

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 42.2742, 30.5703, 65.9599 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 42.2742, 30.5703, 65.9599

Background



This preview shows how black text looks on a background with the XYZ color 42.2742, 30.5703, 65.9599.

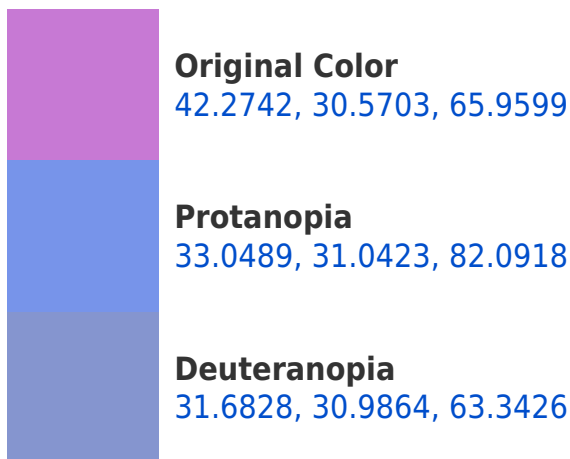


This preview shows how white text looks on a background with the XYZ color 42.2742, 30.5703,

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

35.2277, 30.6308, 31.2498

Trichromacy



Original Color

42.2742, 30.5703, 65.9599



Protanomaly

35.0287, 29.9638, 75.8889



Deuteranomaly

34.6459, 30.2368, 64.3318



Tritanomaly

37.3643, 30.4723, 41.9426

Monochromacy



Original Color

42.2742, 30.5703, 65.9599



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

34.4535, 31.4374, 45.3264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2742, 30.5703, 65.9599 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(199, 121, 212)` looks like.

```
.text, #text, p{  
    color:rgb(199, 121, 212)  
}
```

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(199, 121, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 121, 212) }
```

Border

The CSS property to change the border of an element to XYZ 42.2742, 30.5703, 65.9599 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(199, 121, 212) }
```


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

```
.border{ border-color:rgb(199, 121, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 121, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 121, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 121, 212);  
box-shadow:4px 4px 4px 4px rgb(199, 121,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2742, 30.5703, 65.9599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 121, 212) }
```

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

```
.background{ background-color: rgb(199,  
121, 212) }
```

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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