

Converting Colors

XYZ(52.8715, 46.6923, 92.6167)

Have a look what the booklet for
XYZ(52.8715, 46.6923, 92.6167)
contains.

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Color

**XYZ(52.8485, 46.6795,
92.6108)**

Conversions

Conversions Part 1

Format	Color
Hex	C1AAF5
RGB	193, 170, 245
RGB Percent	76%, 67%, 96%
CMY	0.2431, 0.3333, 0.0392
CMYK	0.21, 0.31, 0.00, 0.04
HSL	258°, 79%, 81%
HSV	258°, 31%, 96%
XYZ	52.8485, 46.6795, 92.6108
YIQ	185.4270, -10.3670, 28.2010

Conversions

Conversions Part 2

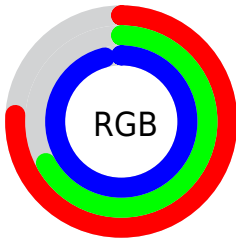
Format	Color
R _Y B	193, 170, 245
Decimal	12692213
CIE Lab	73.98, 23.29, -34.35
CIE LCh	74, 41.499, 304.136
Yxy	46.6795, 0.2751, 0.2429
Android (android.graphics.Color)	4290882293 (0xFFC1AAF5)
YUV	185.4270, 29.3695, 6.6415
Hunter-Lab	68.3224, 18.5085, -32.5417

Details

The XYZ color **52.8485, 46.6795, 92.6108** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **70.0336, 83.7377, 50.5040**, and the grayscale version is **46.1988, 48.6047, 52.9305**.

A 20% lighter version of the original color is **84.3996, 81.3944, 105.8701**, and **26.0368, 21.9910, 50.4493** is the 20% darker color. If you saturate the color by 10%, you get **44.5923, 36.2297, 91.0297**, and if you desaturate by 10%, it is **62.4611, 59.1011, 94.5025**.

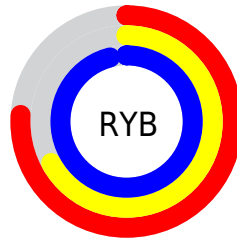
Distribution



Red (76%)

Green (67%)

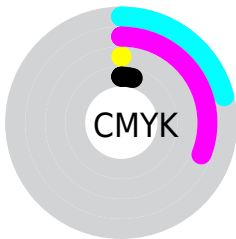
Blue (96%)



Red (76%)

Yellow (67%)

Blue (96%)

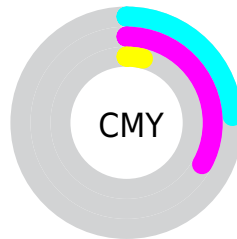


Cyan (21%)

Magenta (31%)

Yellow (0%)

Black (4%)



Cyan (24%)


Magenta (33%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8485, 46.6795, 92.6108 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 52.8485, 46.6795, 92.6108 by changing the saturation by 10% instead.


 52.8485, 46.6795,
92.6108

 52.8485, 46.6795,
92.6108


387.9740,
373.5338, 557.2753

 37.9088, 32.7824,
69.5622

 93.5482, 85.2350,
152.9267

 26.0888, 21.9598,
50.6951


120.0390,
110.6622, 191.0311

 17.0231, 13.8273,
35.5910

151.1109,
140.7015, 234.9911

 10.3464, 8.0007,
23.8313

187.1292,
175.7373, 285.2254

 5.6932, 4.0954,
14.9975

228.4593,
216.1541, 342.1524

 2.6983, 1.7271,
8.6710

275.4666,

 0.9963, 0.4411,

262.3361, 406.1907

4.4333

328.5164,
314.6679, 477.7588

■ 0.0000, 0.0000,
1.8660

■ 0.0000, 0.0000,
0.4709

■ 52.8485, 46.6795,
92.6108

■ 52.8485, 46.6795,
92.6108

■ 44.5923, 36.2297,
91.0297

■ 62.4611, 59.1011,
94.5025

■ 37.6233, 27.6422,
89.7395

■ 73.4853, 73.5849,
96.7172

■ 31.8732, 20.8051,
88.7228

■ 85.9787, 90.2225,
99.2701

■ 27.2647, 15.5920,
87.9595

■ 93.4816, 99.3726,
100.6408

■ 23.7110, 11.8586,
87.4262

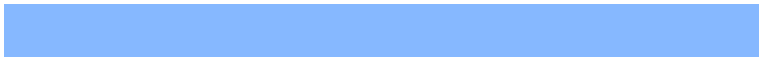
■ 21.1105, 9.4339,
87.0952

■ 19.3936, 8.0939,
86.9271

Harmonies

Analogous

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



45.4025, 46.6795, 103.3239



52.8485, 46.6795, 92.6108



58.4556, 46.6795, 70.7753

Triad

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



52.8485, 46.6795, 92.6108



50.8745, 46.6795, 22.2504



31.6252, 46.6795, 53.8248

Complementary

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



52.8485, 46.6795, 92.6108



70.0336, 83.7377, 50.5040

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.



32.7469, 46.6795, 35.0291



52.8485, 46.6795, 92.6108



43.3482, 46.6795, 20.0341

Square

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



52.8485, 46.6795, 92.6108



57.2298, 46.6795, 31.2022



36.8461, 46.6795, 23.9898



33.5929, 46.6795, 77.3208

Rectangle

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



52.8485, 46.6795, 92.6108



60.0956, 46.6795, 55.1080



36.8461, 46.6795, 23.9898



31.6551, 46.6795, 46.7718

Sweetspot

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



52.8501, 46.6814, 92.6119



82.5470, 83.3274, 106.3408



59.3148, 67.6487, 96.3182



17.2625, 17.2978, 22.6789



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.



52.8501, 46.6814, 92.6119



51.8652, 43.4812, 100.2669



63.4907, 52.1668, 93.1098



16.0591, 16.1731, 20.8179



10.5711, 4.4239, 46.8348



1.0296, 0.4406, 4.1210

Inverse Universe

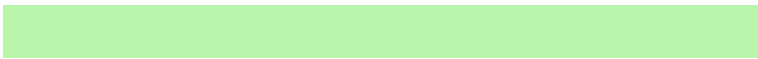
The Inverse Universe completely reimagines the original color for something new.



65.2171, 53.4376, 75.9859



67.6604, 52.1222, 78.4937



59.9172, 78.5225, 50.0306



16.9846, 16.6767, 19.6654



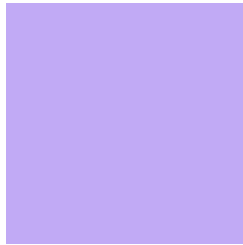
24.2529, 12.0446, 21.8379



2.1774, 1.0769, 2.1603

Previews

White Background



This preview shows how the XYZ color 52.8485, 46.6795, 92.6108 looks on a white background.

Color Contrast Check

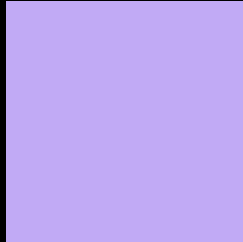
Large Text (above 18pt) WCAG AA × Fail

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 52.8485, 46.6795, 92.6108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

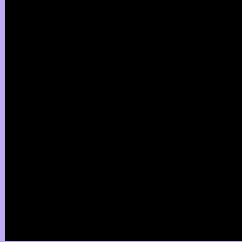
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.8485, 46.6795, 92.6108

Background



This preview shows how black text looks on a background with the XYZ color 52.8485, 46.6795, 92.6108.



This preview shows how white text looks on a background with the XYZ color 52.8485, 46.6795,

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

52.8485, 46.6795, 92.6108

Protanopia

48.1880, 46.7421, 98.5778

Deuteranopia

48.0236, 46.8183, 91.2997



Tritanopia

45.8260, 46.7279, 57.6430

Trichromacy



Original Color

52.8485, 46.6795, 92.6108

Protanomaly

49.6375, 46.6609, 96.0128

Deuteranomaly

49.7590, 46.8124, 92.0011

Tritanomaly

48.0291, 46.4196, 69.3793

Monochromacy



Original Color

52.8485, 46.6795, 92.6108

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

48.3228, 47.8389, 65.7184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8485, 46.6795, 92.6108 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(193, 170, 245)` looks like.

```
.text, #text, p{  
    color:rgb(193, 170, 245)  
}
```

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(193, 170, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 170, 245) }
```

Border

The CSS property to change the border of an element to XYZ 52.8485, 46.6795, 92.6108 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(193, 170, 245) }
```


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

```
.border{ border-color:rgb(193, 170, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 170, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 170, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 170, 245);  
box-shadow:4px 4px 4px 4px rgb(193, 170,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8485, 46.6795, 92.6108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 170, 245) }
```

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

```
.background{ background-color: rgb(193,  
170, 245) }
```

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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