

Converting Colors

XYZ(51.5316, 46.7429, 78.4365)

Have a look what the booklet for
XYZ(51.5316, 46.7429, 78.4365)
contains.

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Color

**XYZ(51.5059, 46.8664,
78.2830)**

Conversions

Conversions Part 1

Format	Color
Hex	C5ACE2
RGB	197, 172, 226
RGB Percent	77%, 67%, 89%
CMY	0.2274, 0.3255, 0.1137
CMYK	0.13, 0.24, 0.00, 0.11
HSL	268°, 48%, 78%
HSV	268°, 24%, 89%
XYZ	51.5059, 46.8664, 78.2830
YIQ	185.6310, -2.4340, 22.0940

Conversions

Conversions Part 2

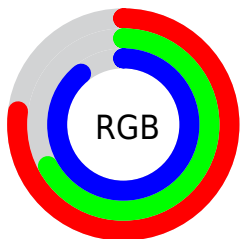
Format	Color
R _Y B	197, 172, 226
Decimal	12954850
CIE Lab	74.10, 19.26, -23.82
CIE LCh	74, 30.630, 308.959
Yxy	46.8664, 0.2916, 0.2653
Android (android.graphics.Color)	4291144930 (0xFFC5ACE2)
YUV	185.6310, 19.9019, 9.9706
Hunter-Lab	68.4590, 14.4931, -19.8769

Details

The XYZ color **51.5059, 46.8664, 78.2830** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.7319, 69.7901, 49.4073**, and the grayscale version is **46.3604, 48.7747, 53.1157**.

A 20% lighter version of the original color is **86.3921, 83.2290, 106.1192**, and **25.3948, 22.2129, 41.4771** is the 20% darker color. If you saturate the color by 10%, you get **44.5140, 37.4115, 76.8273**, and if you desaturate by 10%, it is **59.4882, 57.9199, 79.9966**.

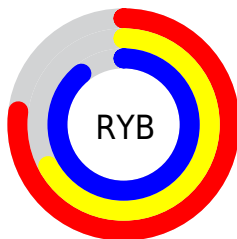
Distribution



Red (77%)

Green (67%)

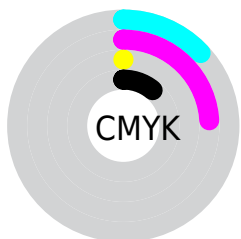
Blue (89%)



Red (77%)

Yellow (67%)

Blue (89%)

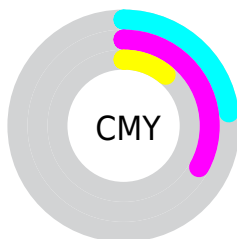


Cyan (13%)

Magenta (24%)

Yellow (0%)

Black (11%)



Cyan (23%)


Magenta (33%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5059, 46.8664, 78.2830 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 51.5059, 46.8664, 78.2830 by changing the saturation by 10% instead.


 51.5059, 46.8664,
78.2830

 51.5059, 46.8664,
78.2830


382.8815,
374.2810, 508.6808

 36.8341, 32.9301,
57.7887


 91.5807, 85.5142,
132.7385

 25.2521, 22.0729,
41.2252


117.7144,
110.9944, 167.5367

 16.3947, 13.9105,
28.1741

148.3993,
141.0913, 207.9400

 9.8965, 8.0584,
18.2167

184.0010,
176.1894, 254.3668

 5.3921, 4.1323,
10.9346

224.8847,
216.6730, 307.2358

 2.5162, 1.7479,
5.9093

271.4158,

 0.9035, 0.4544,

262.9266, 366.9654

2.7221

323.9596,
315.3344, 433.9742

■ 0.0000, 0.0000,
0.9545

■ 0.0000, 0.0000,
0.0000

■ 51.5059, 46.8664,
78.2830

■ 51.5059, 46.8664,
78.2830

■ 44.5140, 37.4115,
76.8273

■ 59.4882, 57.9199,
79.9966

■ 38.4649, 29.4724,
75.6137

■ 68.4965, 70.6380,
81.9766

■ 33.3137, 22.9672,
74.6296

■ 78.5701, 85.0899,
84.2352

■ 29.0096, 17.8041,
73.8598

■ 87.3367, 96.5230,
85.9799

■ 25.4961, 13.8799,
73.2876

■ 90.7276, 98.2710,
86.1386

■ 22.7084, 11.0756,
72.8932

■ 20.5690, 9.2471,
72.6530

■ 19.5093, 8.4716,
72.5592

Harmonies

Analogous

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



46.2066, 46.8664, 87.0293



51.5059, 46.8664, 78.2830



55.1236, 46.8664, 62.6521

Triad

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



51.5059, 46.8664, 78.2830



48.4373, 46.8664, 27.7243



34.9243, 46.8664, 55.8757

Complementary

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



51.5059, 46.8664, 78.2830



58.7319, 69.7901, 49.4073

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.



35.4148, 46.8664, 40.9414



51.5059, 46.8664, 78.2830



42.9240, 46.8664, 26.6437

Square

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



51.5059, 46.8664, 78.2830



53.2534, 46.8664, 34.3066



38.2415, 46.8664, 30.9731



36.8420, 46.8664, 72.4581

Rectangle

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



51.5059, 46.8664, 78.2830



55.9355, 46.8664, 51.5800



38.2415, 46.8664, 30.9731



34.8166, 46.8664, 50.4830

Sweetspot

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



51.5074, 46.8684, 78.2840



86.1782, 87.3622, 106.9283



51.7927, 56.3639, 80.1018



18.2889, 18.4772, 22.8525



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.



51.5074, 46.8684, 78.2840



62.6920, 54.7782, 101.8768



59.0053, 50.7337, 78.6349



13.5521, 13.5526, 17.2893



11.2639, 4.9021, 41.4009



0.8833, 0.3926, 2.8745

Inverse Universe

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



56.6608, 49.8929, 61.9047



70.7940, 59.5361, 76.0034



52.2564, 66.4518, 49.1043



14.0135, 13.8230, 15.8410



19.9359, 10.0414, 11.5941



1.4269, 0.7140, 1.0411

Previews

White Background



This preview shows how the XYZ color 51.5059, 46.8664, 78.2830 looks on a white background.

Color Contrast Check

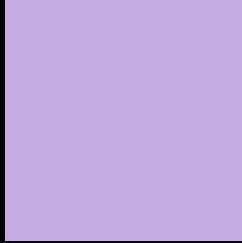
Large Text (above 18pt) WCAG AA × Fail

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 51.5059, 46.8664, 78.2830 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 51.5059, 46.8664, 78.2830

Background



This preview shows how black text looks on a background with the XYZ color 51.5059, 46.8664, 78.2830.



This preview shows how white text looks on a background with the XYZ color 51.5059, 46.8664,

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

51.5059, 46.8664, 78.2830

Protanopia

47.2489, 46.9037, 82.9070

Deuteranopia

47.8711, 46.7420, 77.7332



Tritanopia

46.9207, 46.7229, 56.4146

Trichromacy



Original Color

51.5059, 46.8664, 78.2830

Protanomaly

48.5955, 46.7412, 81.3236

Deuteranomaly

49.1235, 46.8012, 77.6786

Tritanomaly

48.4167, 46.7478, 63.5981

Monochromacy



Original Color

51.5059, 46.8664, 78.2830

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.3017, 48.2119, 62.0184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5059, 46.8664, 78.2830 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, 172, 226)` looks like.

```
.text, #text, p{  
    color:rgb(197, 172, 226)  
}
```

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, 172, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 172, 226) }
```

Border

The CSS property to change the border of an element to XYZ 51.5059, 46.8664, 78.2830 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, 172, 226) }
```


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

```
.border{ border-color:rgb(197, 172, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 172, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 172, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 172, 226);  
box-shadow:4px 4px 4px 4px rgb(197, 172,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5059, 46.8664, 78.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 172, 226) }
```

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

```
.background{ background-color: rgb(197,  
172, 226) }
```

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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