

Converting Colors

XYZ(54.7880, 48.3382, 85.9491)

Have a look what the booklet for
XYZ(54.7880, 48.3382, 85.9491)
contains.

XYZ(54.7947, 48.3985, 85.8107)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(54.7947, 48.3985,
85.8107)**

Conversions

Conversions Part 1

Format	Color
Hex	CCACEC
RGB	204, 172, 236
RGB Percent	80%, 67%, 93%
CMY	0.2000, 0.3255, 0.0745
CMYK	0.14, 0.27, 0.00, 0.07
HSL	270°, 63%, 80%
HSV	270°, 27%, 93%
XYZ	54.7947, 48.3985, 85.8107
YIQ	188.8640, -1.4720, 26.6880

Conversions

Conversions Part 2

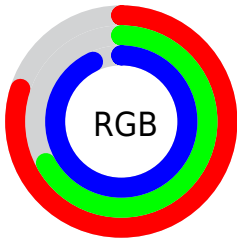
Format	Color
R_{YB}	204, 172, 236
Decimal	13413612
CIE _{Lab}	75.08, 23.57, -27.71
CIE _{LCh}	75, 36.380, 310.383
Yxy	48.3985, 0.2899, 0.2561
Android (android.graphics.Color)	4291603692 (0xFFCCACEC)
YUV	188.8640, 23.2380, 13.2743
Hunter-Lab	69.5690, 18.8463, -24.4336

Details

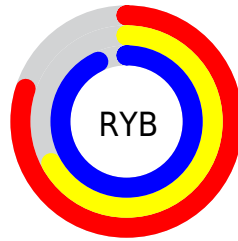
The XYZ color **54.7947, 48.3985, 85.8107** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **62.3451, 75.8079, 50.3783**, and the grayscale version is **48.1654, 50.6738, 55.1838**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **27.2295, 22.8785, 46.1609** is the 20% darker color. If you saturate the color by 10%, you get **47.5833, 38.5959, 84.2994**, and if you desaturate by 10%, it is **63.0518, 59.9266, 87.6014**.

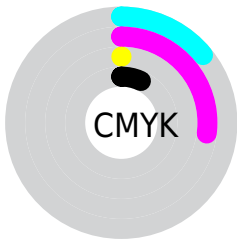
Distribution



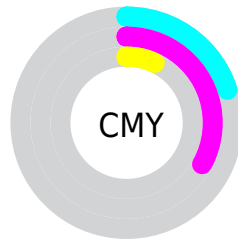
- Red (80%)
- Green (67%)
- Blue (93%)



- Red (80%)
- Yellow (67%)
- Blue (93%)



- Cyan (14%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.7947, 48.3985, 85.8107 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 54.7947, 48.3985, 85.8107 by changing the saturation by 10% instead.

■ 54.7947, 48.3985,
85.8107

■ 54.7947, 48.3985,
85.8107

395.2823,
380.3695, 534.5212

■ 39.4706, 34.1426,
63.9575

■ 96.3902, 87.7974,
143.3895

■ 27.3084, 23.0031,
46.1703

123.3922,
113.7092, 179.9521

■ 17.9427, 14.5958,
32.0306

155.0176,
144.2751, 222.2550

■ 11.0083, 8.5362,
21.1198

191.6317,
179.8795, 270.7166

■ 6.1398, 4.4399,
13.0195

233.5999,
220.9067, 325.7554

■ 2.9717, 1.9226,
7.3111

281.2875,

■ 1.1388, 0.5619,

267.7412, 387.7901

3.5760

335.0598,
320.7673, 457.2392

■ 0.0572, 0.0000,
1.3958

■ 0.0000, 0.0000,
0.1384

■ 54.7947, 48.3985,
85.8107

■ 54.7947, 48.3985,
85.8107

■ 47.5833, 38.5959,
84.2994

■ 63.0518, 59.9266,
87.6014

■ 41.3654, 30.4255,
83.0501

■ 72.3943, 73.2550,
89.6817

■ 36.0909, 23.7942,
82.0482

■ 82.8653, 88.4613,
92.0649

■ 31.7028, 18.5970,
81.2763

■ 90.7572, 98.1231,
93.5139

■ 28.1372, 14.7148,
80.7149

■ 92.1405, 98.8362,
93.5786

■ 25.3198, 12.0083,
80.3409

■ 23.1559, 10.2979,
80.1249

■ 22.6117, 9.9077,
80.0782

Harmonies

Analogous

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



48.3450, 48.3985, 97.5583



54.7947, 48.3985, 85.8107



59.1302, 48.3985, 65.9757

Triad

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



54.7947, 48.3985, 85.8107



50.4300, 48.3985, 25.1783



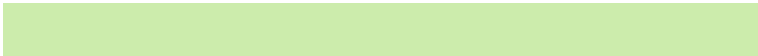
34.5336, 48.3985, 59.5784

Complementary

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



54.7947, 48.3985, 85.8107



62.3451, 75.8079, 50.3783

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.



34.9756, 48.3985, 41.3327



54.7947, 48.3985, 85.8107



43.7347, 48.3985, 24.2571

Square

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



54.7947, 48.3985, 85.8107



56.4469, 48.3985, 32.3512



38.2029, 48.3985, 29.4320



36.9310, 48.3985, 80.1682

Rectangle

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



54.7947, 48.3985, 85.8107



60.0118, 48.3985, 52.4533



38.2029, 48.3985, 29.4320



34.3611, 48.3985, 52.9430

Sweetspot

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



54.7963, 48.4005, 85.8118



85.2304, 85.7844, 106.6737



54.0025, 58.5231, 87.8075



17.8684, 17.8239, 22.7485



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.



54.7963, 48.4005, 85.8118



60.0033, 50.4241, 101.1780



64.1331, 53.2138, 86.2487



14.9488, 14.9189, 19.0140



12.6133, 5.5383, 44.1472



1.1014, 0.4921, 3.4718

Inverse Universe

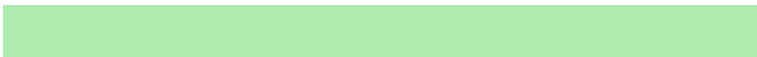
The Inverse Universe completely reimagines the original color for something new.



60.2451, 51.6994, 63.9322



67.7753, 55.1295, 69.9699



54.6918, 71.8625, 50.0201



15.3796, 15.1797, 17.2842



20.9357, 10.5770, 10.7287



1.6925, 0.8500, 1.0982

Previews

White Background



This preview shows how the XYZ color 54.7947, 48.3985, 85.8107 looks on a white background.

Color Contrast Check

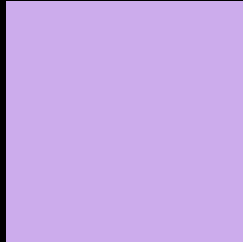
Large Text (above 18pt) WCAG AA × Fail

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 54.7947, 48.3985, 85.8107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

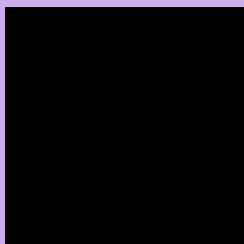
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.7947, 48.3985, 85.8107

Background



This preview shows how black text looks on a background with the XYZ color 54.7947, 48.3985, 85.8107.



This preview shows how white text looks on a background with the XYZ color 54.7947, 48.3985,

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

54.7947, 48.3985, 85.8107

Protanopia

49.4111, 48.7235, 92.3883

Deuteranopia

49.5066, 48.3354, 84.5623



Tritanopia

49.0848, 48.4079, 57.7955

Trichromacy



Original Color

54.7947, 48.3985, 85.8107

Protanomaly

51.0533, 48.4148, 89.8733

Deuteranomaly

51.4093, 48.4037, 85.2306

Tritanomaly

51.0502, 48.3271, 66.9590

Monochromacy



Original Color

54.7947, 48.3985, 85.8107

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

50.3222, 49.7925, 65.3512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.7947, 48.3985, 85.8107 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(204, 172, 236)` looks like.

```
.text, #text, p{  
    color:rgb(204, 172, 236)  
}
```

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(204, 172, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 172, 236) }
```

Border

The CSS property to change the border of an element to XYZ 54.7947, 48.3985, 85.8107 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(204, 172, 236) }
```


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

```
.border{ border-color:rgb(204, 172, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 172, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 172, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 172, 236);  
box-shadow:4px 4px 4px 4px rgb(204, 172,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 54.7947, 48.3985, 85.8107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 172, 236) }
```

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

```
.background{ background-color: rgb(204,  
172, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor