

Converting Colors

XYZ(54.7040, 49.3944, 83.4133)

Have a look what the booklet for
XYZ(54.7040, 49.3944, 83.4133)
contains.

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Color

**XYZ(54.6666, 49.2396,
83.7138)**

Conversions

Conversions Part 1

Format	Color
Hex	CBAFE9
RGB	203, 175, 233
RGB Percent	80%, 69%, 91%
CMY	0.2039, 0.3137, 0.0863
CMYK	0.13, 0.25, 0.00, 0.09
HSL	269°, 57%, 80%
HSV	269°, 25%, 91%
XYZ	54.6666, 49.2396, 83.7138
YIQ	189.9840, -1.9300, 23.9740

Conversions

Conversions Part 2

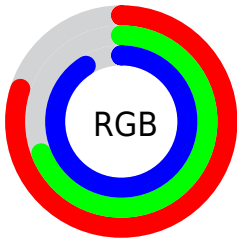
Format	Color
R _Y B	203, 175, 233
Decimal	13348841
CIE Lab	75.60, 20.98, -25.29
CIE LCh	76, 32.862, 309.685
Yxy	49.2396, 0.2914, 0.2624
Android (android.graphics.Color)	4291538921 (0xFFCBAFE9)
YUV	189.9840, 21.2069, 11.4150
Hunter-Lab	70.1709, 16.2611, -21.6132

Details

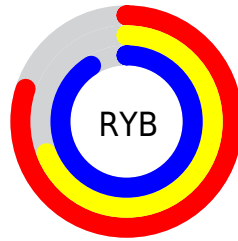
The XYZ color **54.6666, 49.2396, 83.7138** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **62.0551, 74.3533, 51.6405**, and the grayscale version is **48.8182, 51.3606, 55.9317**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **27.1081, 23.3893, 44.6808** is the 20% darker color. If you saturate the color by 10%, you get **47.3618, 39.3137, 82.1837**, and if you desaturate by 10%, it is **63.0121, 60.8659, 85.5188**.

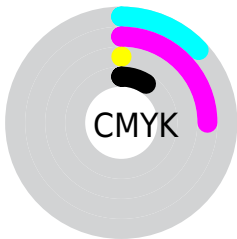
Distribution



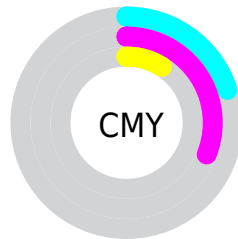
- Red (80%)
- Green (69%)
- Blue (91%)



- Red (80%)
- Yellow (69%)
- Blue (91%)



- Cyan (13%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.6666, 49.2396, 83.7138 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 54.6666, 49.2396, 83.7138 by changing the saturation by 10% instead.


 54.6666, 49.2396,
83.7138

 54.6666, 49.2396,
83.7138


394.8039,
383.6848, 527.3955

 39.3676, 34.8096,
62.2351

 96.2035, 89.0472,
140.4329

 27.2279, 23.5162,
44.7857


123.1721,
115.1936, 176.5105

 17.8819, 14.9752,
30.9470

154.7613,
146.0142, 218.2914

 10.9644, 8.8019,
20.3003

191.3365,
181.8935, 266.1942

 6.1100, 4.6122,
12.4273

233.2630,
223.2158, 320.6375

 2.9534, 2.0216,
6.9093

280.9062,

 1.1292, 0.6200,

270.3655, 382.0398

3.3279

334.6313,
323.7270, 450.8196

■ 0.0493, 0.0000,
1.2644

■ 0.0000, 0.0000,
0.0323

■ 54.6666, 49.2396,
83.7138

■ 54.6666, 49.2396,
83.7138

■ 47.3618, 39.3137,
82.1837

■ 63.0121, 60.8659,
85.5188

■ 41.0471, 30.9988,
80.9116

■ 72.4365, 74.2640,
87.6082

■ 35.6743, 24.2064,
79.8837

■ 82.9816, 89.5085,
89.9949

■ 31.1889, 18.8366,
79.0836

■ 90.3275, 97.9515,
91.2374

■ 27.5300, 14.7771,
78.4929

■ 91.7081, 98.6633,
91.3020

■ 24.6275, 11.8980,
78.0902

■ 22.3968, 10.0403,
77.8492

■ 21.4518, 9.3597,
77.7676

Harmonies

Analogous

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



48.7943, 49.2396, 93.8338



54.6666, 49.2396, 83.7138



58.6375, 49.2396, 66.0928

Triad

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



54.6666, 49.2396, 83.7138



50.9763, 49.2396, 27.9538



36.2006, 49.2396, 59.4430

Complementary

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



54.6666, 49.2396, 83.7138



62.0551, 74.3533, 51.6405

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.



36.6749, 49.2396, 42.8132



54.6666, 49.2396, 83.7138



44.8623, 49.2396, 26.9270

Square

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



54.6666, 49.2396, 83.7138



56.3823, 49.2396, 34.9562



39.7281, 49.2396, 31.7620



38.3713, 49.2396, 77.9501

Rectangle

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



54.6666, 49.2396, 83.7138



59.4861, 49.2396, 53.7980



39.7281, 49.2396, 31.7620



36.0606, 49.2396, 53.4296

Sweetspot

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



54.6682, 49.2417, 83.7149



86.3020, 87.4260, 106.9340



54.4441, 59.1094, 85.6314



18.3176, 18.4919, 22.8538



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.



54.6682, 49.2417, 83.7149



62.2210, 53.7725, 101.7075



63.0158, 53.5450, 84.1056



14.9233, 14.9057, 19.0128



12.3138, 5.3839, 44.1332



1.0776, 0.4798, 3.4707

Inverse Universe

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



59.9552, 52.3933, 64.7123



69.9240, 58.3657, 73.9575



54.9947, 70.7135, 51.3101



15.3908, 15.1842, 17.3432



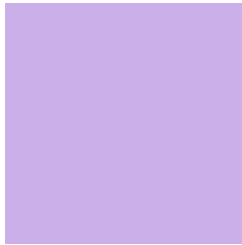
21.0724, 10.6316, 11.4484



1.7033, 0.8543, 1.1549

Previews

White Background



This preview shows how the XYZ color 54.6666, 49.2396, 83.7138 looks on a white background.

Color Contrast Check

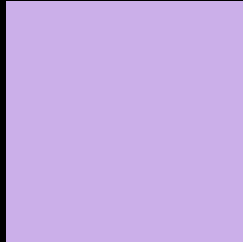
Large Text (above 18pt) WCAG AA × Fail

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 54.6666, 49.2396, 83.7138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

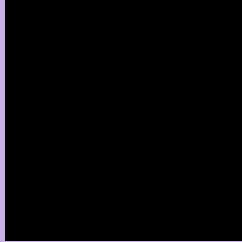
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.6666, 49.2396, 83.7138

Background



This preview shows how black text looks on a background with the XYZ color 54.6666, 49.2396, 83.7138.



This preview shows how white text looks on a background with the XYZ color 54.6666, 49.2396,

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

54.6666, 49.2396, 83.7138

Protanopia

49.8819, 49.3429, 89.3331

Deuteranopia

50.4133, 49.4603, 82.4910



Tritanopia

49.7177, 49.3117, 59.1223

Trichromacy



Original Color

54.6666, 49.2396, 83.7138

Protanomaly

51.3384, 49.2295, 86.9172

Deuteranomaly

51.8730, 49.2875, 83.1234

Tritanomaly

51.1819, 48.9858, 67.0792

Monochromacy



Original Color

54.6666, 49.2396, 83.7138

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

50.9952, 50.7563, 65.5017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.6666, 49.2396, 83.7138 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, 175, 233)` looks like.

```
.text, #text, p{  
    color:rgb(203, 175, 233)  
}
```

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, 175, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 175, 233) }
```

Border

The CSS property to change the border of an element to XYZ 54.6666, 49.2396, 83.7138 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, 175, 233) }
```


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

```
.border{ border-color:rgb(203, 175, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 175, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 175, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 175, 233);  
box-shadow:4px 4px 4px 4px rgb(203, 175,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 54.6666, 49.2396, 83.7138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 175, 233) }
```

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

```
.background{ background-color: rgb(203,  
175, 233) }
```

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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