

# Converting Colors

XYZ(54.4640, 49.4087, 84.5082)

Have a look what the booklet for  
XYZ(54.4640, 49.4087, 84.5082)  
contains.

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# Color

**XYZ(54.4640, 49.4087,  
84.5082)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9B0EA
RGB	201, 176, 234
RGB Percent	79%, 69%, 92%
CMY	0.2118, 0.3098, 0.0823
CMYK	0.14, 0.25, 0.00, 0.08
HSL	266°, 58%, 80%
HSV	266°, 25%, 92%
XYZ	54.4640, 49.4087, 84.5082
YIQ	190.0870, -3.7180, 23.3380

# Conversions

## Conversions Part 2

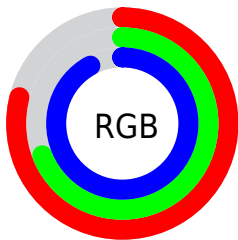
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 176, 234
Decimal	13218026
CIE Lab	75.70, 20.02, -25.69
CIE LCh	76, 32.567, 307.931
Yxy	49.4087, 0.2891, 0.2623
Android (android.graphics.Color)	4291408106 (0xFFC9B0EA)
YUV	190.0870, 21.6491, 9.5707
Hunter-Lab	70.2913, 15.2978, -22.0779

# Details

The XYZ color **54.4640, 49.4087, 84.5082** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **63.5555, 75.5368, 52.3069**, and the grayscale version is **48.8758, 51.4211, 55.9976**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **26.9729, 23.4913, 45.2321** is the 20% darker color. If you saturate the color by 10%, you get **46.8402, 39.2455, 82.9491**, and if you desaturate by 10%, it is **63.1920, 61.3176, 86.3476**.

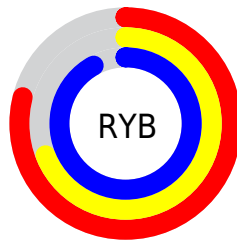
# Distribution



Red (79%)

Green (69%)

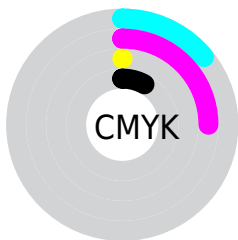
Blue (92%)



Red (79%)

Yellow (69%)

Blue (92%)

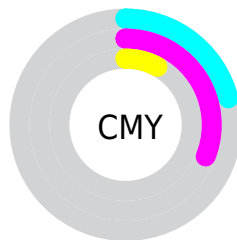


Cyan (14%)

Magenta (25%)

Yellow (0%)

Black (8%)



Cyan (21%)

Magenta (31%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4640, 49.4087, 84.5082 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 54.4640, 49.4087, 84.5082 by changing the saturation by 10% instead.



■ 54.4640, 49.4087,  
84.5082

■ 54.4640, 49.4087,  
84.5082

394.0465,  
384.3491, 530.1014

■ 39.2049, 34.9438,  
62.8873

■ 95.9081, 89.2982,  
141.5539

■ 27.1006, 23.6196,  
45.3096

122.8238,  
115.4915, 177.8158

■ 17.7858, 15.0517,  
31.3566

154.3557,  
146.3631, 219.7951

■ 10.8950, 8.8557,  
20.6098

190.8693,  
182.2974, 267.9103

■ 6.0631, 4.6472,  
12.6507

232.7297,  
223.6787, 322.5800

■ 2.9245, 2.0418,  
7.0605

280.3025,

■ 1.1140, 0.6316,

270.8915, 384.2227

3.4210

333.9530,  
324.3202, 453.2570

■ 0.0367, 0.0000,  
1.3134

■ 0.0000, 0.0000,  
0.0727

■ 54.4640, 49.4087,  
84.5082

■ 54.4640, 49.4087,  
84.5082

■ 46.8402, 39.2455,  
82.9491

■ 63.1920, 61.3176,  
86.3476

■ 40.2675, 30.7366,  
81.6531

■ 73.0647, 75.0452,  
88.4770

■ 34.6952, 23.7915,  
80.6063

■ 84.1263, 90.6677,  
90.9094

■ 30.0660, 18.3084,  
79.7919

■ 91.5793, 98.5803,  
92.0439

■ 26.3160, 14.1727,  
79.1913

■ 91.8514, 98.7206,  
92.0566

■ 23.3719, 11.2519,  
78.7827

■ 21.1458, 9.3843,  
78.5396

■ 20.2025, 8.6991,  
78.4570

# Harmonies

## Analogous

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



48.5813, 49.4087, 93.8954



54.4640, 49.4087, 84.5082



58.5605, 49.4087, 67.2793

# Triad

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



54.4640, 49.4087, 84.5082



51.4591, 49.4087, 28.4972



36.3778, 49.4087, 58.5158

# Complementary

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



54.4640, 49.4087, 84.5082



63.5555, 75.5368, 52.3069

# 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.



37.0051, 49.4087, 42.2492



54.4640, 49.4087, 84.5082



45.3781, 49.4087, 27.1332

# Square

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



54.4640, 49.4087, 84.5082



56.7246, 49.4087, 35.8414



40.1817, 49.4087, 31.6066



38.3883, 49.4087, 76.9284



# Rectangle

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



54.4640, 49.4087, 84.5082



59.5425, 49.4087, 55.0070



40.1817, 49.4087, 31.6066



36.2906, 49.4087, 52.6062

# Sweetspot

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



54.4656, 49.4108, 84.5093



85.9793, 87.2596, 106.9189



55.7630, 61.1833, 86.7133



18.2429, 18.4534, 22.8503



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.



54.4656, 49.4108, 84.5093



61.0698, 53.1790, 101.6536



62.7444, 53.6786, 84.8967



14.8469, 14.8664, 19.0092



11.4905, 4.9595, 44.0946



1.0105, 0.4453, 3.4676



# Inverse Universe

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



60.9673, 53.1486, 67.3692



70.4485, 58.5755, 76.7194



56.2780, 71.7851, 51.9663



15.4246, 15.1977, 17.5211



21.5167, 10.8094, 13.7880

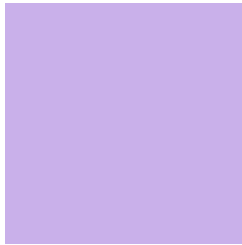


1.7377, 0.8680, 1.3359



# Previews

## White Background



This preview shows how the XYZ color 54.4640, 49.4087, 84.5082 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

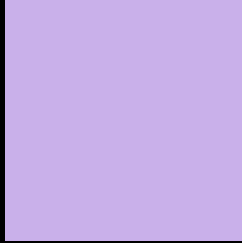
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.4640, 49.4087, 84.5082 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

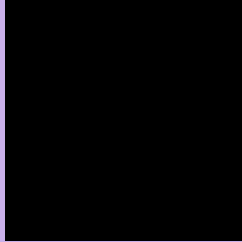
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.4640, 49.4087, 84.5082**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4640, 49.4087, 84.5082.



This preview shows how white text looks on a background with the XYZ color 54.4640, 49.4087,



# 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

54.4640, 49.4087, 84.5082

### Protanopia

50.0904, 49.7599, 89.4026

### Deuteranopia

50.6975, 49.5739, 83.9875



## Tritanopia

49.5172, 49.5003, 59.7680

# Trichromacy



## Original Color

54.4640, 49.4087, 84.5082

## Protanomaly

51.6890, 49.6962, 87.7569

## Deuteranomaly

51.7683, 49.2171, 83.8622

## Tritanomaly

50.9801, 49.1660, 67.7758

# Monochromacy



## Original Color

54.4640, 49.4087, 84.5082

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

50.7377, 50.6235, 65.4897

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4640, 49.4087, 84.5082 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(201, 176, 234)` looks like.

```
.text, #text, p{  
    color:rgb(201, 176, 234)  
}
```

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(201, 176, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 176, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4640, 49.4087, 84.5082 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(201, 176, 234) }
```



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

```
.border{ border-color:rgb(201, 176, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 176, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 176, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 176, 234);  
box-shadow:4px 4px 4px 4px rgb(201, 176,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4640, 49.4087, 84.5082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 176, 234) }
```

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

```
.background{ background-color: rgb(201,  
176, 234) }
```

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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