

# Converting Colors

XYZ(58.1879, 49.8470, 88.4471)

Have a look what the booklet for  
XYZ(58.1879, 49.8470, 88.4471)  
contains.

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# Color

**XYZ(58.1672, 49.8049,  
88.2089)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7ABEF
RGB	215, 171, 239
RGB Percent	84%, 67%, 94%
CMY	0.1569, 0.3294, 0.0627
CMYK	0.10, 0.28, 0.00, 0.06
HSL	279°, 68%, 80%
HSV	279°, 28%, 94%
XYZ	58.1672, 49.8049, 88.2089
YIQ	191.9080, 4.3960, 30.4760

# Conversions

## Conversions Part 2

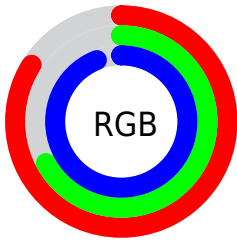
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	215, 171, 239
Decimal	14134255
CIE <sub>Lab</sub>	75.95, 28.17, -27.91
CIE <sub>LCh</sub>	76, 39.657, 315.267
Yxy	49.8049, 0.2965, 0.2539
Android (android.graphics.Color)	4292324335 (0xFFD7ABEF)
YUV	191.9080, 23.2164, 20.2517
Hunter-Lab	70.5726, 23.6209, -24.7059

# Details

The XYZ color **58.1672, 49.8049, 88.2089** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.7246, 76.2766, 50.0528**, and the grayscale version is **49.9177, 52.5173, 57.1914**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **29.3238, 23.7467, 47.8378** is the 20% darker color. If you saturate the color by 10%, you get **51.6413, 40.3351, 86.7258**, and if you desaturate by 10%, it is **65.6403, 60.9771, 89.9723**.

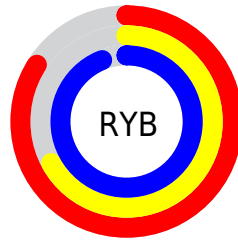
# Distribution



Red (84%)

Green (67%)

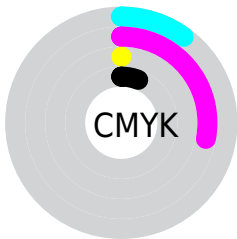
Blue (94%)



Red (84%)

Yellow (67%)

Blue (94%)

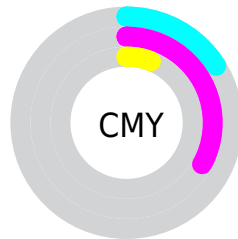


Cyan (10%)

Magenta (28%)

Yellow (0%)

Black (6%)



Cyan (16%)

Magenta (33%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1672, 49.8049, 88.2089 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 58.1672, 49.8049, 88.2089 by changing the saturation by 10% instead.





 58.1672, 49.8049,  
88.2089

 58.1672, 49.8049,  
88.2089


407.7525,  
385.9025, 542.6061

 42.1869, 35.2584,  
65.9308


 101.2879, 89.8857,  
146.7617

 29.4394, 23.8620,  
47.7601


129.1589,  
116.1889, 183.8734

 19.5594, 15.2313,  
33.2783


161.7242,  
147.1797, 226.7667

 12.1816, 8.9819,  
22.0669

199.3492,  
183.2425, 275.8601

 6.9405, 4.7294,  
13.7072

242.3991,  
224.7619, 331.5722

 3.4709, 2.0894,  
7.7809

291.2394,

 1.4074, 0.6586,

272.1220, 394.3216

3.8693

346.2354,  
325.7074, 464.5267

■ 0.2615, 0.0000,  
1.5539

■ 0.0000, 0.0000,  
0.2576

■ 58.1672, 49.8049,  
88.2089

■ 58.1672, 49.8049,  
88.2089

■ 51.6413, 40.3351,  
86.7258

■ 65.6403, 60.9771,  
89.9723

■ 46.0117, 32.4723,  
85.5048

■ 74.0982, 73.9279,  
92.0262

■ 41.2301, 26.1215,  
84.5310

■ 83.5824, 88.7361,  
94.3846

■ 37.2408, 21.1744,  
83.7864

■ 90.3158, 97.8447,  
95.7879

■ 33.9809, 17.5082,  
83.2505

■ 92.5801, 99.0121,  
95.8939

■ 31.3763, 14.9779,  
82.8994

■ 29.3216, 13.3757,  
82.6985

■ 29.0299, 13.1657,  
82.6733

# Harmonies

## Analogous

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



51.1793, 49.8049, 103.7245



58.1672, 49.8049, 88.2089



62.4534, 49.8049, 65.2506

# Triad

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



58.1672, 49.8049, 88.2089



51.0444, 49.8049, 23.6251



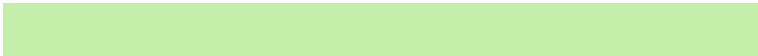
34.9105, 49.8049, 65.6666

# Complementary

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



58.1672, 49.8049, 88.2089



60.7246, 76.2766, 50.0528

# 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.



34.8825, 49.8049, 44.5243



58.1672, 49.8049, 88.2089



43.6940, 49.8049, 23.6816

# Square

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



58.1672, 49.8049, 88.2089



58.0596, 49.8049, 30.1520



37.9440, 49.8049, 30.3341



38.0250, 49.8049, 88.5810



# Rectangle

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



58.1672, 49.8049, 88.2089



62.9444, 49.8049, 50.5781



37.9440, 49.8049, 30.3341



34.5513, 49.8049, 58.0516

# Sweetspot

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



58.1688, 49.8070, 88.2100



85.2432, 84.7173, 106.4670



52.1014, 54.3418, 89.4051



17.9258, 17.6397, 22.7100



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.



58.1688, 49.8070, 88.2100



62.9725, 51.2474, 101.1805



64.4345, 53.1880, 81.6852



15.8814, 15.7361, 19.9219



16.1900, 7.3517, 45.6936



1.4543, 0.6670, 3.8063



# Inverse Universe

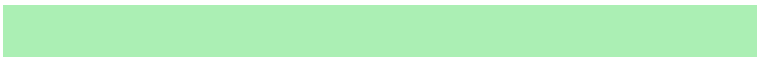
The Inverse Universe completely reimagines the original color for something new.



60.0115, 51.4188, 58.3939



65.5953, 53.4951, 60.8406



55.9078, 73.6902, 54.4949



16.0032, 15.8510, 17.5731



20.6199, 10.5204, 5.9147



1.7610, 0.8934, 0.7322



# Previews

## White Background



This preview shows how the XYZ color 58.1672, 49.8049, 88.2089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

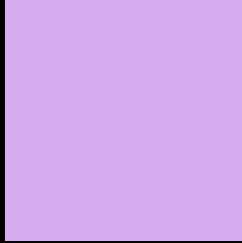
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.1672, 49.8049, 88.2089 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

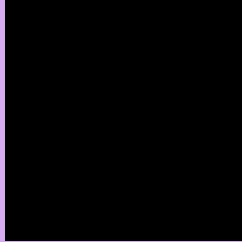
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.1672, 49.8049, 88.2089**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.1672, 49.8049, 88.2089.



This preview shows how white text looks on a background with the XYZ color 58.1672, 49.8049,



# 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

58.1672, 49.8049, 88.2089

### Protanopia

51.0254, 50.0835, 96.6003

### Deuteranopia

51.1032, 50.0404, 86.3222



## Tritanopia

52.0713, 49.9475, 57.9353

# Trichromacy



## Original Color

58.1672, 49.8049, 88.2089

## Protanomaly

53.0524, 49.6742, 93.1781

## Deuteranomaly

53.3985, 49.6921, 86.8979

## Tritanomaly

54.2190, 49.9463, 67.7557

# Monochromacy



## Original Color

58.1672, 49.8049, 88.2089

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

52.4685, 51.1638, 67.4318

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.1672, 49.8049, 88.2089 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(215, 171, 239)` looks like.

```
.text, #text, p{  
    color:rgb(215, 171, 239)  
}
```

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(215, 171, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 171, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 58.1672, 49.8049, 88.2089 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(215, 171, 239) }
```



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

```
.border{ border-color:rgb(215, 171, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 171, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 171, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 171, 239);  
box-shadow:4px 4px 4px 4px rgb(215, 171,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.1672, 49.8049, 88.2089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 171, 239) }
```

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

```
.background{ background-color: rgb(215,  
171, 239) }
```

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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