

# Converting Colors

XYZ(58.3872, 51.0314, 76.5855)

Have a look what the booklet for  
XYZ(58.3872, 51.0314, 76.5855)  
contains.

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# Color

**XYZ(58.2741, 50.9720,  
76.5792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDAEDF
RGB	221, 174, 223
RGB Percent	87%, 68%, 87%
CMY	0.1333, 0.3176, 0.1255
CMYK	0.01, 0.22, 0.00, 0.13
HSL	298°, 43%, 78%
HSV	298°, 22%, 87%
XYZ	58.2741, 50.9720, 76.5792
YIQ	193.6390, 12.2830, 25.2030

# Conversions

## Conversions Part 2

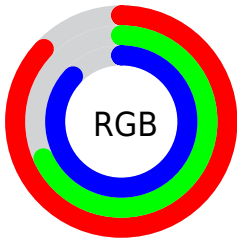
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 174, 223
Decimal	14528223
CIE Lab	76.66, 25.36, -18.10
CIE LCh	77, 31.156, 324.486
Yxy	50.9720, 0.3136, 0.2743
Android (android.graphics.Color)	4292718303 (0xFFDDAEDF)
YUV	193.6390, 14.4750, 23.9956
Hunter-Lab	71.3947, 20.7554, -13.6192

# Details

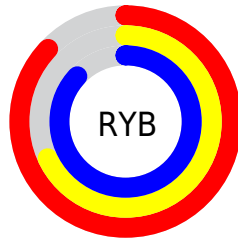
The XYZ color **58.2741, 50.9720, 76.5792** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.9340, 65.0627, 49.8682**, and the grayscale version is **50.9784, 53.6333, 58.4066**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **29.4223, 24.5012, 40.2243** is the 20% darker color. If you saturate the color by 10%, you get **54.0427, 42.9185, 75.2485**, and if you desaturate by 10%, it is **63.2254, 60.4611, 78.1506**.

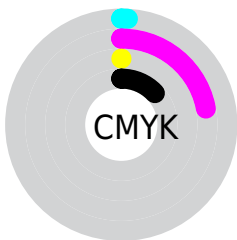
# Distribution



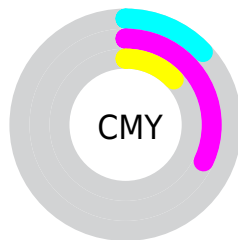
- Red (87%)
- Green (68%)
- Blue (87%)



- Red (87%)
- Yellow (68%)
- Blue (87%)



- Cyan (1%)
- Magenta (22%)
- Yellow (0%)
- Black (13%)



- Cyan (13%)
- Magenta (32%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2741, 50.9720, 76.5792 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 58.2741, 50.9720, 76.5792 by changing the saturation by 10% instead.



■ 58.2741, 50.9720,  
76.5792

■ 58.2741, 50.9720,  
76.5792

408.1439,  
390.4550, 502.7276

■ 42.2732, 36.1863,  
56.3981

■ 101.4426, 91.6134,  
130.3129

■ 29.5073, 24.5781,  
40.1160

129.3408,  
118.2379, 164.7025

■ 19.6111, 15.7630,  
27.3146

161.9356,  
149.5774, 204.6654

■ 12.2193, 9.3566,  
17.5751

199.5921,  
186.0165, 250.6201

■ 6.9665, 4.9745,  
10.4791

242.6759,  
227.9393, 302.9851

■ 3.4873, 2.2323,  
5.6080

291.5522,

■ 1.4164, 0.7375,

275.7304, 362.1790

2.5433

346.5864,  
329.7742, 428.6203

■ 0.2679, 0.0000,  
0.8630

■ 0.0000, 0.0000,  
0.0000

■ 58.2741, 50.9720,  
76.5792

■ 58.2741, 50.9720,  
76.5792

■ 54.0427, 42.9185,  
75.2485

■ 63.2254, 60.4611,  
78.1506

■ 50.4910, 36.2233,  
74.1434

■ 68.9246, 71.4448,  
79.9703

■ 47.5826, 30.8123,  
73.2522

■ 75.4041, 83.9869,  
82.0496

■ 45.2752, 26.6011,  
72.5610

■ 80.0192, 92.7978,  
83.5071

43.5219, 23.4958,  
72.0540

80.3031, 92.9442,  
83.5203

42.2685, 21.3882,  
71.7133

80.5886, 93.0913,  
83.5337

41.4501, 20.1485,  
71.5171

80.8755, 93.2393,  
83.5471

41.0217, 19.6088,  
71.4355

81.1640, 93.3880,  
83.5606

81.4540, 93.5375,  
83.5742

# Harmonies

## Analogous

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



53.2999, 50.9720, 90.6040



58.2741, 50.9720, 76.5792



60.6313, 50.9720, 58.6789

# Triad

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



58.2741, 50.9720, 76.5792



49.5450, 50.9720, 29.0480



38.8446, 50.9720, 70.0745

# Complementary

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



58.2741, 50.9720, 76.5792



51.9340, 65.0627, 49.8682

# 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.



38.0159, 50.9720, 52.4378



58.2741, 50.9720, 76.5792



43.8986, 50.9720, 30.8843

# Square

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



58.2741, 50.9720, 76.5792



55.3363, 50.9720, 33.0437



39.7925, 50.9720, 38.6940



42.1553, 50.9720, 86.3465



# Rectangle

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



58.2741, 50.9720, 76.5792



60.2744, 50.9720, 47.7677



39.7925, 50.9720, 38.6940



38.2785, 50.9720, 64.0244

# Sweetspot

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



58.2757, 50.9742, 76.5803



89.3501, 88.9974, 107.0767



46.3908, 45.5564, 76.1610



19.0246, 18.8564, 22.8869



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.



58.2757, 50.9742, 76.5803



76.4346, 64.2367, 102.9781



56.1058, 50.1770, 61.9573



14.2368, 13.9056, 17.3214



24.1442, 11.5421, 42.0037



1.6910, 0.8090, 2.9123



# Inverse Universe

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



53.4057, 49.0970, 47.7387



68.8218, 61.3057, 57.7306



53.8145, 65.7631, 62.1136



13.7298, 13.7096, 14.3473



17.9325, 9.2400, 1.0446



1.2511, 0.6437, 0.1151



# Previews

## White Background



This preview shows how the XYZ color 58.2741, 50.9720, 76.5792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

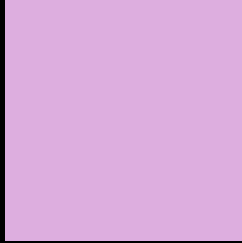
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.2741, 50.9720, 76.5792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

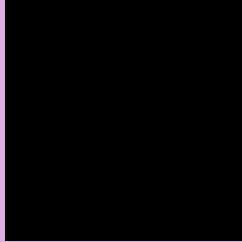
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.2741, 50.9720, 76.5792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.2741, 50.9720, 76.5792.



This preview shows how white text looks on a background with the XYZ color 58.2741, 50.9720,



# 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

58.2741, 50.9720, 76.5792

### Protanopia

51.1391, 51.3763, 83.5652

### Deuteranopia

52.3924, 51.2558, 75.5386



## Tritanopia

54.3610, 50.8422, 57.4005

# Trichromacy



## Original Color

58.2741, 50.9720, 76.5792

## Protanomaly

53.3245, 50.9934, 81.1610

## Deuteranomaly

54.3373, 51.0182, 76.0909

## Tritanomaly

55.5347, 50.7093, 63.9876

# Monochromacy



## Original Color

58.2741, 50.9720, 76.5792

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

53.6916, 52.7858, 65.1164

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.2741, 50.9720, 76.5792 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(221, 174, 223)` looks like.

```
.text, #text, p{  
    color:rgb(221, 174, 223)  
}
```

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(221, 174, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 174, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2741, 50.9720, 76.5792 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(221, 174, 223) }
```



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

```
.border{ border-color:rgb(221, 174, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 174, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 174, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 174, 223);  
box-shadow:4px 4px 4px 4px rgb(221, 174,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2741, 50.9720, 76.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 174, 223) }
```

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

```
.background{ background-color: rgb(221,  
174, 223) }
```

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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