

# Converting Colors

XYZ(59.8380, 58.5467, 72.4223)

Have a look what the booklet for  
XYZ(59.8380, 58.5467, 72.4223)  
contains.

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# Color

**XYZ(59.8052, 58.3836,  
72.4071)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7C3D7
RGB	215, 195, 215
RGB Percent	84%, 76%, 84%
CMY	0.1569, 0.2353, 0.1569
CMYK	0.00, 0.09, 0.00, 0.16
HSL	300°, 20%, 80%
HSV	300°, 9%, 84%
XYZ	59.8052, 58.3836, 72.4071
YIQ	203.2600, 5.5000, 10.4600

# Conversions

## Conversions Part 2

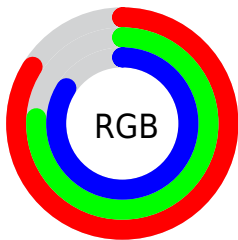
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 195, 215
Decimal	14140375
CIE <sub>Lab</sub>	80.95, 10.56, -7.41
CIE <sub>LCh</sub>	81, 12.901, 324.930
Yxy	58.3836, 0.3138, 0.3063
Android (android.graphics.Color)	4292330455 (0xFFD7C3D7)
YUV	203.2600, 5.7878, 10.2960
Hunter-Lab	76.4092, 5.9953, -2.6982

# Details

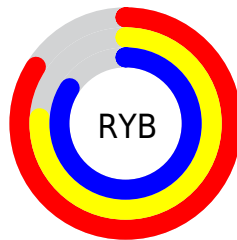
The XYZ color **59.8052, 58.3836, 72.4071** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.6587, 64.1448, 61.0277**, and the grayscale version is **56.8919, 59.8547, 65.1818**.

A 20% lighter version of the original color is **94.1004, 98.1008, 108.5835**, and **30.3672, 29.0614, 37.2666** is the 20% darker color. If you saturate the color by 10%, you get **55.3312, 49.4348, 70.9164**, and if you desaturate by 10%, it is **64.9762, 68.7247, 74.1315**.

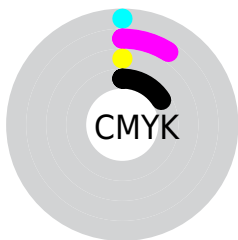
# Distribution



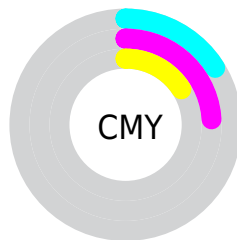
- Red (84%)
- Green (76%)
- Blue (84%)



- Red (84%)
- Yellow (76%)
- Blue (84%)



- Cyan (0%)
- Magenta (9%)
- Yellow (0%)
- Black (16%)



- Cyan (16%)
- Magenta (24%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8052, 58.3836, 72.4071 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 59.8052, 58.3836, 72.4071 by changing the saturation by 10% instead.



■ 59.8052, 58.3836,  
72.4071

■ 59.8052, 58.3836,  
72.4071

413.7256,  
418.6138, 487.9729

■ 43.5105, 42.1171,  
53.0024

■ 103.6550,  
102.4813, 124.3482

■ 30.4821, 29.1930,  
37.4170

131.9408,  
131.0812, 157.7218

■ 20.3547, 19.2269,  
25.2322

164.9543,  
164.5611, 196.5887

■ 12.7629, 11.8343,  
16.0295

203.0610,  
203.3054, 241.3676

■ 7.3414, 6.6310,  
9.3905

246.6261,  
247.6984, 292.4769

■ 3.7247, 3.2324,  
4.8965

296.0150,

■ 1.5476, 1.2542,

298.1245, 350.3352

2.1290

351.5930,  
354.9682, 415.3610

■ 0.3579, 0.1053,  
0.6329

■ 0.0000, 0.0000,  
0.0000

■ 59.8052, 58.3836,  
72.4071

■ 59.8052, 58.3836,  
72.4071

■ 55.3312, 49.4348,  
70.9164

■ 64.9762, 68.7247,  
74.1315

■ 51.5196, 41.8117,  
69.6458

■ 70.8668, 80.5058,  
76.0951

■ 48.3405, 35.4535,  
68.5860

■ 76.0507, 90.8737,  
77.8232

■ 45.7597, 30.2919,  
67.7257

■ 76.0507, 90.8737,  
77.8233

43.7398, 26.2520,  
67.0523

76.0508, 90.8737,  
77.8234

42.2390, 23.2505,  
66.5519

76.0508, 90.8737,  
77.8235

41.2101, 21.1928,  
66.2089

76.0508, 90.8737,  
77.8235

40.5970, 19.9666,  
66.0044

76.0508, 90.8737,  
77.8236

40.3069, 19.3862,  
65.9076

76.0508, 90.8737,  
77.8237

# Harmonies

## Analogous

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



57.6864, 58.3836, 77.8725



59.8052, 58.3836, 72.4071



60.7700, 58.3836, 64.8794

# Triad

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



59.8052, 58.3836, 72.4071



55.9473, 58.3836, 50.0073



50.9608, 58.3836, 69.9777

# Complementary

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



59.8052, 58.3836, 72.4071



56.6587, 64.1448, 61.0277

# 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.



50.5286, 58.3836, 62.2780



59.8052, 58.3836, 72.4071



53.3537, 58.3836, 51.1353

# Square

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



59.8052, 58.3836, 72.4071



58.4974, 58.3836, 52.2685



51.3911, 58.3836, 55.4825



52.5911, 58.3836, 76.3929



# Rectangle

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



59.8052, 58.3836, 72.4071



60.6071, 58.3836, 59.8527



51.3911, 58.3836, 55.4825



50.6728, 58.3836, 67.4377

# Sweetspot

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



59.8069, 58.3861, 72.4084



92.6579, 95.2158, 108.1026



54.2891, 55.5416, 72.1502



19.6992, 20.1134, 23.0940



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.



59.8069, 58.3861, 72.4084



86.7454, 83.3908, 106.1317



58.5608, 57.8877, 65.8466



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4169



1.4535, 0.6982, 2.3774



# Inverse Universe

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



59.8069, 58.3861, 72.4084



86.7454, 83.3908, 106.1317



57.8276, 64.6123, 67.1832



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4169

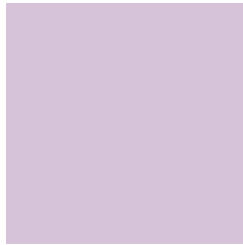


1.4535, 0.6982, 2.3774



# Previews

## White Background



This preview shows how the XYZ color 59.8052, 58.3836, 72.4071 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

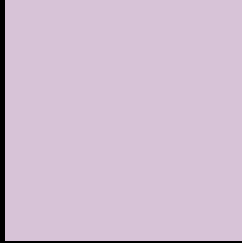
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.8052, 58.3836, 72.4071 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

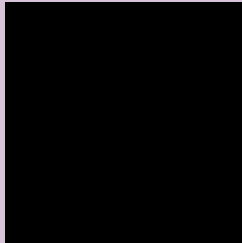
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.8052, 58.3836, 72.4071**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.8052, 58.3836, 72.4071.



This preview shows how white text looks on a background with the XYZ color 59.8052, 58.3836,



# 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

59.8052, 58.3836, 72.4071

### Protanopia

57.1286, 58.6499, 74.6392

### Deuteranopia

59.5124, 58.2327, 72.3934



## Tritanopia

59.2294, 58.4791, 69.7939

# Trichromacy



## Original Color

59.8052, 58.3836, 72.4071

## Protanomaly

57.8953, 58.3771, 73.8621

## Deuteranomaly

59.5124, 58.2327, 72.3934

## Tritanomaly

59.3551, 58.5295, 70.4563

# Monochromacy



## Original Color

59.8052, 58.3836, 72.4071

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

57.6489, 59.0789, 67.3964

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.8052, 58.3836, 72.4071 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, 195, 215)` looks like.

```
.text, #text, p{  
    color:rgb(215, 195, 215)  
}
```

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, 195, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 195, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 59.8052, 58.3836, 72.4071 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, 195, 215) }
```



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

```
.border{ border-color:rgb(215, 195, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 195, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 195, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 195, 215);  
box-shadow:4px 4px 4px 4px rgb(215, 195,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.8052, 58.3836, 72.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 195, 215) }
```

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

```
.background{ background-color: rgb(215,  
195, 215) }
```

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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