

# Converting Colors

XYZ(59.8119, 60.0801, 78.9660)

Have a look what the booklet for  
XYZ(59.8119, 60.0801, 78.9660)  
contains.

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# Color

**XYZ(59.8409, 59.9558,  
78.9397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFC8E0
RGB	207, 200, 224
RGB Percent	81%, 78%, 88%
CMY	0.1882, 0.2157, 0.1216
CMYK	0.08, 0.11, 0.00, 0.12
HSL	257°, 28%, 83%
HSV	257°, 11%, 88%
XYZ	59.8409, 59.9558, 78.9397
YIQ	204.8290, -3.5320, 8.9480

# Conversions

## Conversions Part 2

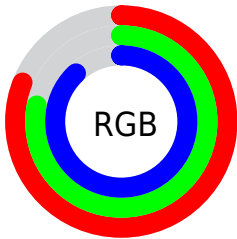
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 200, 224
Decimal	13617376
CIE <sub>Lab</sub>	81.81, 6.93, -11.02
CIE <sub>LCh</sub>	82, 13.020, 302.137
Yxy	59.9558, 0.3011, 0.3017
Android (android.graphics.Color)	4291807456 (0xFFCFC8E0)
YUV	204.8290, 9.4513, 1.9040
Hunter-Lab	77.4311, 2.4452, -6.2433

# Details

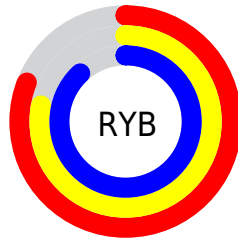
The XYZ color **59.8409, 59.9558, 78.9397** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.6986, 72.2348, 65.1266**, and the grayscale version is **57.8646, 60.8781, 66.2963**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **30.5772, 30.1946, 41.7527** is the 20% darker color. If you saturate the color by 10%, you get **50.8158, 48.1592, 77.1393**, and if you desaturate by 10%, it is **70.0753, 73.5073, 81.0169**.

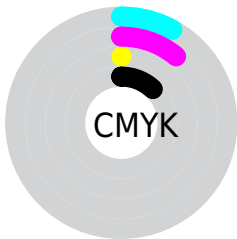
# Distribution



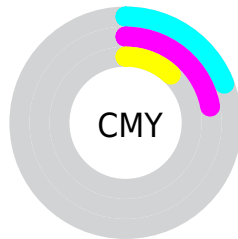
- Red (81%)
- Green (78%)
- Blue (88%)



- Red (81%)
- Yellow (78%)
- Blue (88%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)
- Black (12%)



- Cyan (19%)
- Magenta (22%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8409, 59.9558, 78.9397 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 59.8409, 59.9558, 78.9397 by changing the saturation by 10% instead.



■ 59.8409, 59.9558,  
78.9397

■ 59.8409, 59.9558,  
78.9397

413.8552,  
424.4348, 510.9646

■ 43.5394, 43.3830,  
58.3252

103.7065,  
104.7655, 133.6719

■ 30.5049, 30.1857,  
41.6537

132.0013,  
133.7713, 168.6266

■ 20.3721, 19.9796,  
28.5067

165.0245,  
167.6901, 209.1985

■ 12.7757, 12.3802,  
18.4656

203.1416,  
206.9065, 255.8062

■ 7.3502, 7.0032,  
11.1119

246.7179,  
251.8048, 308.8680

■ 3.7303, 3.4641,  
6.0270

296.1186,

■ 1.5507, 1.3786,

302.7693, 368.8027

2.7925

351.7093,  
360.1845, 436.0287

■ 0.3600, 0.2008,  
0.9897

■ 0.0000, 0.0000,  
0.0000

■ 59.8409, 59.9558,  
78.9397

■ 59.8409, 59.9558,  
78.9397

■ 50.8158, 48.1592,  
77.1393

■ 70.0753, 73.5073,  
81.0169

■ 42.9485, 38.0372,  
75.6002

■ 81.5569, 88.8743,  
83.3779

■ 36.1919, 29.5148,  
74.3114

■ 90.3108, 98.0877,  
84.6949

■ 30.4933, 22.5079,  
73.2592

■ 90.4547, 98.1619,  
84.7016

■ 25.7953, 16.9246,  
72.4292

■ 22.0350, 12.6630,  
71.8048

■ 19.1413, 9.6069,  
71.3674

■ 17.0317, 7.6187,  
71.0948

■ 15.6554, 6.5164,  
70.9546

# Harmonies

## Analogous

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



57.1833, 59.9558, 81.5863



59.8409, 59.9558, 78.9397



61.7820, 59.9558, 72.6059

# Triad

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



59.8409, 59.9558, 78.9397



59.4893, 59.9558, 52.8065



51.8717, 59.9558, 65.8472

# Complementary

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



59.8409, 59.9558, 78.9397



65.6986, 72.2348, 65.1266

# 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.



52.4452, 59.9558, 58.4674



59.8409, 59.9558, 78.9397



56.7895, 59.9558, 51.3083

# Square

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



59.8409, 59.9558, 78.9397



61.5745, 59.9558, 57.5646



54.2237, 59.9558, 53.2975



52.6317, 59.9558, 73.6593



# Rectangle

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



59.8409, 59.9558, 78.9397



62.3775, 59.9558, 67.3719



54.2237, 59.9558, 53.2975



51.9149, 59.9558, 63.2351

# Sweetspot

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



59.8427, 59.9583, 78.9410



90.6921, 94.2024, 108.0106



62.1405, 67.3920, 80.2548



19.1680, 19.8396, 23.0691



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.



59.8427, 59.9583, 78.9410



77.2531, 76.4577, 105.2939



63.2641, 61.7221, 79.1011



13.3257, 13.4359, 17.2787



9.2120, 3.8443, 41.3049



0.7259, 0.3115, 2.8671



# Inverse Universe

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



63.9213, 62.1683, 74.2796



83.8540, 80.0359, 97.6832



62.3151, 70.4906, 64.9683



14.1158, 13.8639, 16.3799



21.5725, 10.6960, 20.2122

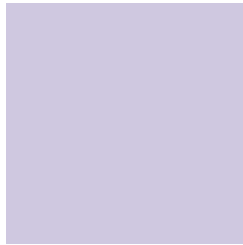


1.5337, 0.7567, 1.6032



# Previews

## White Background



This preview shows how the XYZ color 59.8409, 59.9558, 78.9397 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

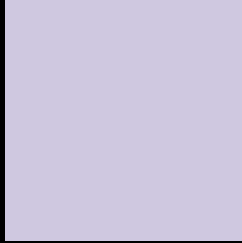
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.8409, 59.9558, 78.9397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

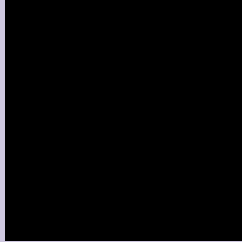
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.8409, 59.9558, 78.9397**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.8409, 59.9558, 78.9397.



This preview shows how white text looks on a background with the XYZ color 59.8409, 59.9558,



# 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

59.8409, 59.9558, 78.9397

### Protanopia

58.7985, 60.0948, 79.7346

### Deuteranopia

61.0892, 59.9161, 78.8662



## Tritanopia

58.8646, 59.9049, 74.1059

# Trichromacy



## Original Color

59.8409, 59.9558, 78.9397

## Protanomaly

59.1059, 59.9060, 79.6820

## Deuteranomaly

60.7419, 60.0776, 78.9157

## Tritanomaly

59.2585, 60.0624, 76.1801

# Monochromacy



## Original Color

59.8409, 59.9558, 78.9397

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

58.6932, 60.5871, 70.8884

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.8409, 59.9558, 78.9397 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(207, 200, 224) looks like.

```
.text, #text, p{  
    color:rgb(207, 200, 224)  
}
```

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(207, 200, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 200, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 59.8409, 59.9558, 78.9397 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(207, 200, 224) }
```



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

```
.border{ border-color:rgb(207, 200, 224) }
```

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

Here you see how a box with a 4 pixel rgb(207, 200, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 200, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 200, 224);  
box-shadow:4px 4px 4px 4px rgb(207, 200,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.8409, 59.9558, 78.9397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 200, 224) }
```

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

```
.background{ background-color: rgb(207,  
200, 224) }
```

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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