

# Converting Colors

XYZ(59.5483, 60.0333, 89.6797)

Have a look what the booklet for  
XYZ(59.5483, 60.0333, 89.6797)  
contains.

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# Color

**XYZ(59.3452, 59.8167,  
89.3069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5C9EE
RGB	197, 201, 238
RGB Percent	77%, 79%, 93%
CMY	0.2274, 0.2117, 0.0667
CMYK	0.17, 0.16, 0.00, 0.07
HSL	234°, 55%, 85%
HSV	234°, 17%, 93%
XYZ	59.3452, 59.8167, 89.3069
YIQ	204.0220, -14.2610, 10.6590

# Conversions

## Conversions Part 2

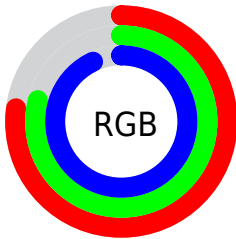
Format	Color
R <sub>Y</sub> B	197, 201, 238
Decimal	12962286
CIE Lab	81.74, 6.07, -18.70
CIE LCh	82, 19.659, 287.972
Yxy	59.8167, 0.2847, 0.2869
Android (android.graphics.Color)	4291152366 (0xFFC5C9EE)
YUV	204.0220, 16.7512, -6.1583
Hunter-Lab	77.3413, 1.6187, -14.3240

# Details

The XYZ color **59.3452, 59.8167, 89.3069** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.7611, 81.0537, 64.5292**, and the grayscale version is **57.3139, 60.2987, 65.6653**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **30.2049, 30.0845, 48.4709** is the 20% darker color. If you saturate the color by 10%, you get **48.9372, 47.5326, 87.4854**, and if you desaturate by 10%, it is **71.4407, 74.0128, 91.4105**.

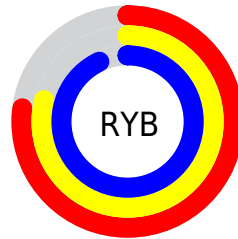
# Distribution



Red (77%)

Green (79%)

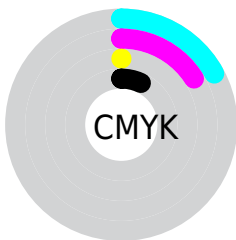
Blue (93%)



Red (77%)

Yellow (79%)

Blue (93%)

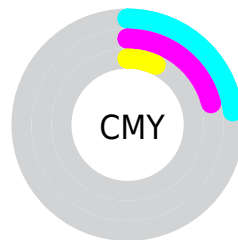


Cyan (17%)

Magenta (16%)

Yellow (0%)

Black (7%)



Cyan (23%)

Magenta (21%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3452, 59.8167, 89.3069 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 59.3452, 59.8167, 89.3069 by changing the saturation by 10% instead.



■ 59.3452, 59.8167,  
89.3069

■ 59.3452, 59.8167,  
89.3069

412.0535,  
423.9218, 546.2855

■ 43.1385, 43.2709,  
66.8355

102.9910,  
104.5637, 148.3024

■ 30.1888, 30.0977,  
48.4902

131.1608,  
133.5337, 185.6635

■ 20.1307, 19.9128,  
33.8525

164.0490,  
167.4140, 228.8249

■ 12.5989, 12.3317,  
22.5038

202.0209,  
206.5888, 278.2052

■ 7.2280, 6.9700,  
14.0257

245.4420,  
251.4426, 334.2228

■ 3.6527, 3.4433,  
7.9996

294.6775,

■ 1.5076, 1.3673,

302.3597, 397.2964

4.0069

350.0929,  
359.7247, 467.8444

■ 0.3310, 0.1925,  
1.6291

■ 0.0000, 0.0000,  
0.3115

■ 59.3452, 59.8167,  
89.3069

■ 59.3452, 59.8167,  
89.3069

■ 48.9372, 47.5326,  
87.4854

■ 71.4407, 74.0128,  
91.4105

■ 40.1363, 37.0717,  
85.9301

■ 85.2885, 90.1903,  
93.8032

■ 32.8637, 28.3491,  
84.6297

■ 92.4328, 98.9531,  
95.1180

■ 27.0317, 21.2701,  
83.5707

■ 22.5439, 15.7311,  
82.7381

■ 19.2917, 11.6164,  
82.1153

■ 17.1494, 8.7939,  
81.6834

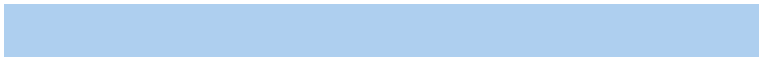
■ 15.9595, 7.1038,  
81.4199

■ 15.7439, 6.7953,  
81.3717

# Harmonies

## Analogous

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



55.2114, 59.8167, 90.0640



59.3452, 59.8167, 89.3069



62.9733, 59.8167, 81.6136

# Triad

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



59.3452, 59.8167, 89.3069



62.3507, 59.8167, 49.6235



49.4196, 59.8167, 60.4946

# Complementary

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



59.3452, 59.8167, 89.3069



74.7611, 81.0537, 64.5292

# 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.



51.1445, 59.8167, 51.0306



59.3452, 59.8167, 89.3069



58.5288, 59.8167, 45.2837

# Square

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



59.3452, 59.8167, 89.3069



64.7656, 59.8167, 58.3474



54.4335, 59.8167, 45.7654



49.6144, 59.8167, 72.4193



# Rectangle

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



59.3452, 59.8167, 89.3069



64.5557, 59.8167, 74.0590



54.4335, 59.8167, 45.7654



49.7906, 59.8167, 56.9496

# Sweetspot

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



59.3470, 59.8192, 89.3082



86.9527, 90.5392, 107.5007



68.4385, 78.9553, 89.4004



18.3769, 19.1047, 22.9690



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.



59.3470, 59.8192, 89.3082



64.4934, 64.1696, 103.5945



62.9568, 60.3129, 89.2133



15.0214, 15.4769, 19.9172



8.8249, 3.8741, 45.4105



0.7757, 0.4054, 3.7916



# Inverse Universe

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



65.7702, 62.3281, 63.8252



73.4548, 67.7327, 68.0273



70.6555, 80.6479, 64.6673



15.8355, 15.7839, 16.6899



19.7800, 10.1844, 1.4923

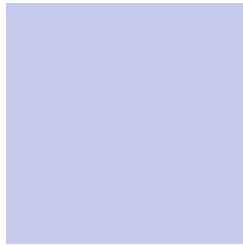


1.6665, 0.8556, 0.2346



# Previews

## White Background



This preview shows how the XYZ color 59.3452, 59.8167, 89.3069 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

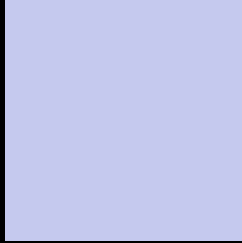
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.3452, 59.8167, 89.3069 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

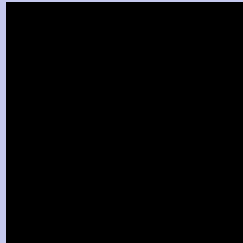
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.3452, 59.8167, 89.3069**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.3452, 59.8167, 89.3069.



This preview shows how white text looks on a background with the XYZ color 59.3452, 59.8167,



# 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

59.3452, 59.8167, 89.3069

### Protanopia

59.0842, 59.6821, 89.2946

### Deuteranopia

61.2277, 59.7420, 89.9657



## Tritanopia

56.7593, 59.8224, 76.2655

# Trichromacy



## Original Color

59.3452, 59.8167, 89.3069

## Protanomaly

59.0842, 59.6821, 89.2946

## Deuteranomaly

60.6320, 59.7754, 90.0035

## Tritanomaly

57.7267, 59.8600, 81.1847

# Monochromacy



## Original Color

59.3452, 59.8167, 89.3069

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

57.8380, 60.0872, 73.5154

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.3452, 59.8167, 89.3069 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(197, 201, 238)` looks like.

```
.text, #text, p{  
    color:rgb(197, 201, 238)  
}
```

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(197, 201, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 201, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 59.3452, 59.8167, 89.3069 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(197, 201, 238) }
```



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

```
.border{ border-color:rgb(197, 201, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 201, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 201, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 201, 238);  
box-shadow:4px 4px 4px 4px rgb(197, 201,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.3452, 59.8167, 89.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 201, 238) }
```

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

```
.background{ background-color: rgb(197,  
201, 238) }
```

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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