

Converting Colors

XYZ(58.5550, 59.7149, 80.6144)

Have a look what the booklet for
XYZ(58.5550, 59.7149, 80.6144)
contains.

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Color

**XYZ(58.4335, 59.5436,
80.3648)**

Conversions

Conversions Part 1

Format	Color
Hex	C8C9E2
RGB	200, 201, 226
RGB Percent	78%, 79%, 89%
CMY	0.2157, 0.2117, 0.1137
CMYK	0.12, 0.11, 0.00, 0.11
HSL	238°, 31%, 84%
HSV	238°, 12%, 89%
XYZ	58.4335, 59.5436, 80.3648
YIQ	203.5510, -8.6210, 7.5630

Conversions

Conversions Part 2

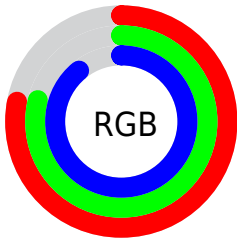
Format	Color
R _Y B	200, 201, 226
Decimal	13158882
CIE Lab	81.59, 4.51, -12.49
CIE LCh	82, 13.276, 289.850
Yxy	59.5436, 0.2946, 0.3002
Android (android.graphics.Color)	4291348962 (0xFFC8C9E2)
YUV	203.5510, 11.0674, -3.1142
Hunter-Lab	77.1645, 0.1328, -7.7338

Details

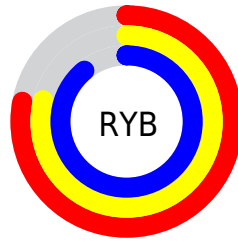
The XYZ color **58.4335, 59.5436, 80.3648** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.7149, 74.1889, 65.3430**, and the grayscale version is **57.0491, 60.0201, 65.3618**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **29.6385, 29.9187, 42.7408** is the 20% darker color. If you saturate the color by 10%, you get **48.1262, 47.2364, 78.5334**, and if you desaturate by 10%, it is **70.3530, 73.7488, 82.4794**.

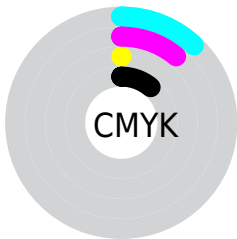
Distribution



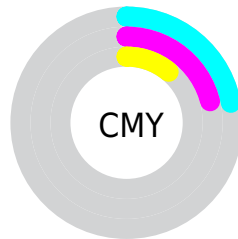
- Red (78%)
- Green (79%)
- Blue (89%)



- Red (78%)
- Yellow (79%)
- Blue (89%)



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



- Cyan (22%)
- Magenta (21%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4335, 59.5436, 80.3648 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 58.4335, 59.5436, 80.3648 by changing the saturation by 10% instead.

■ 58.4335, 59.5436,
80.3648

■ 58.4335, 59.5436,
80.3648

408.7272,
422.9134, 515.9005

■ 42.4019, 43.0509,
59.4907

101.6732,
104.1673, 135.6945

■ 29.6086, 29.9250,
42.5856

129.6120,
133.0671, 170.9872

■ 19.6883, 19.7817,
29.2311

162.2505,
166.8713, 211.9231

■ 12.2756, 12.2365,
19.0087

199.9542,
205.9645, 258.9209

■ 7.0052, 6.9049,
11.4997

243.0884,
250.7308, 312.3989

■ 3.5117, 3.4027,
6.2856

292.0183,

■ 1.4298, 1.3454,

301.5549, 372.7759

2.9479

347.1095,
358.8209, 440.4702

■ 0.2773, 0.1760,
1.0681

■ 0.0000, 0.0000,
0.0000

■ 58.4335, 59.5436,
80.3648

■ 58.4335, 59.5436,
80.3648

■ 48.1262, 47.2364,
78.5334

■ 70.3530, 73.7488,
82.4794

■ 39.3570, 36.7396,
76.9696

■ 83.9442, 89.9195,
84.8843

■ 32.0536, 27.9702,
75.6618

■ 90.7276, 98.2711,
86.1388

■ 26.1361, 20.8355,
74.5966

■ 21.5168, 15.2344,
73.7589

■ 18.0981, 11.0545,
73.1323

■ 15.7687, 8.1678,
72.6979

■ 14.3961, 6.4235,
72.4335

■ 13.8222, 5.6803,
72.3203

Harmonies

Analogous

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



55.6554, 59.5436, 81.1424



58.4335, 59.5436, 80.3648



60.7898, 59.5436, 75.2397

Triad

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



58.4335, 59.5436, 80.3648



60.1202, 59.5436, 53.7961



51.4820, 59.5436, 62.1660

Complementary

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



58.4335, 59.5436, 80.3648



68.7149, 74.1889, 65.3430

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.



52.5966, 59.5436, 55.4328



58.4335, 59.5436, 80.3648



57.5439, 59.5436, 50.8698

Square

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



58.4335, 59.5436, 80.3648



61.7855, 59.5436, 59.7602



54.7943, 59.5436, 51.4433



51.7025, 59.5436, 70.1847

Rectangle

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



58.4335, 59.5436, 80.3648



61.7754, 59.5436, 70.2641



54.7943, 59.5436, 51.4433



51.7115, 59.5436, 59.6889

Sweetspot

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



58.4353, 59.5461, 80.3661



89.9897, 93.9746, 108.0037



64.5665, 72.0930, 81.5331



18.9793, 19.7783, 23.0672



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.



58.4353, 59.5461, 80.3661



73.1249, 73.8690, 105.0118



61.4478, 60.7532, 80.4403



12.9942, 13.3276, 17.2753



7.9052, 3.2799, 41.2648



0.5631, 0.2577, 2.8653

Inverse Universe

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



62.5623, 61.6957, 63.8722



79.6580, 77.2830, 78.8997



65.4419, 72.9052, 65.2677



13.7285, 13.7091, 14.3407



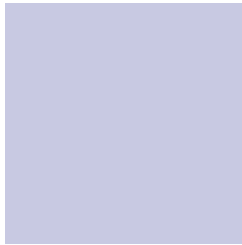
17.9304, 9.2391, 1.0331



1.2505, 0.6435, 0.1119

Previews

White Background



This preview shows how the XYZ color 58.4335, 59.5436, 80.3648 looks on a white background.

Color Contrast Check

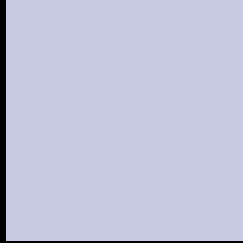
Large Text (above 18pt) WCAG AA × Fail

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 58.4335, 59.5436, 80.3648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

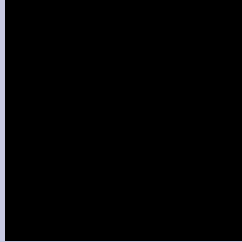
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4335, 59.5436, 80.3648

Background



This preview shows how black text looks on a background with the XYZ color 58.4335, 59.5436, 80.3648.



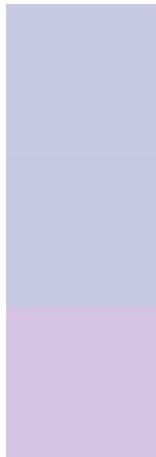
This preview shows how white text looks on a background with the XYZ color 58.4335, 59.5436,

80.3648.

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

58.4335, 59.5436, 80.3648

Protanopia

58.1673, 59.4064, 80.3523

Deuteranopia

60.6953, 59.3274, 80.9254



Tritanopia

57.3286, 59.4451, 74.7822

Trichromacy



Original Color

58.4335, 59.5436, 80.3648

Protanomaly

58.1673, 59.4064, 80.3523

Deuteranomaly

59.7913, 59.1996, 80.9484

Tritanomaly

57.7249, 59.6036, 76.8688

Monochromacy



Original Color

58.4335, 59.5436, 80.3648

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

57.8682, 60.1618, 70.8498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4335, 59.5436, 80.3648 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(200, 201, 226)` looks like.

```
.text, #text, p{  
    color:rgb(200, 201, 226)  
}
```

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(200, 201, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 201, 226) }
```

Border

The CSS property to change the border of an element to XYZ 58.4335, 59.5436, 80.3648 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(200, 201, 226) }
```


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

```
.border{ border-color:rgb(200, 201, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 201, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 201, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 201, 226);  
box-shadow:4px 4px 4px 4px rgb(200, 201,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4335, 59.5436, 80.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 201, 226) }
```

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

```
.background{ background-color: rgb(200,  
201, 226) }
```

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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