

Converting Colors

XYZ(59.1265, 59.5823, 85.2888)

Have a look what the booklet for
XYZ(59.1265, 59.5823, 85.2888)
contains.

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Color

**XYZ(59.1817, 59.4711,
85.4507)**

Conversions

Conversions Part 1

Format	Color
Hex	C8C8E9
RGB	200, 200, 233
RGB Percent	78%, 78%, 91%
CMY	0.2157, 0.2157, 0.0863
CMYK	0.14, 0.14, 0.00, 0.09
HSL	240°, 43%, 85%
HSV	240°, 14%, 91%
XYZ	59.1817, 59.4711, 85.4507
YIQ	203.7620, -10.5930, 10.2630

Conversions

Conversions Part 2

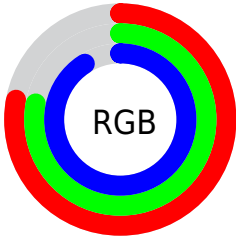
Format	Color
R _Y B	200, 200, 233
Decimal	13158633
CIE Lab	81.55, 6.49, -16.29
CIE LCh	82, 17.534, 291.709
Yxy	59.4711, 0.2900, 0.2914
Android (android.graphics.Color)	4291348713 (0xFFC8C8E9)
YUV	203.7620, 14.4143, -3.2993
Hunter-Lab	77.1175, 2.0293, -11.7145

Details

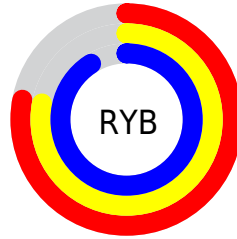
The XYZ color **59.1817, 59.4711, 85.4507** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **73.1690, 79.7714, 66.1860**, and the grayscale version is **57.1625, 60.1394, 65.4918**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **30.0688, 29.8431, 45.7705** is the 20% darker color. If you saturate the color by 10%, you get **48.4360, 46.5237, 83.5189**, and if you desaturate by 10%, it is **71.7016, 74.5568, 87.7036**.

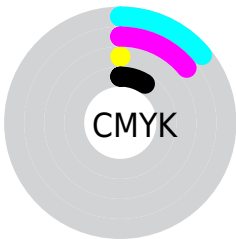
Distribution



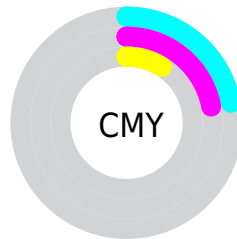
- Red (78%)
- Green (78%)
- Blue (91%)



- Red (78%)
- Yellow (78%)
- Blue (91%)



- Cyan (14%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1817, 59.4711, 85.4507 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 59.1817, 59.4711, 85.4507 by changing the saturation by 10% instead.

■ 59.1817, 59.4711,
85.4507

■ 59.1817, 59.4711,
85.4507

411.4582,
422.6455, 533.3017

■ 43.0063, 42.9925,
63.6616

102.7548,
104.0620, 142.8825

■ 30.0846, 29.8792,
45.9322

130.8833,
132.9432, 179.3621

■ 20.0512, 19.7469,
31.8440

163.7268,
166.7272, 221.5758

■ 12.5408, 12.2112,
20.9786

201.6508,
205.7986, 269.9418

■ 7.1879, 6.8877,
12.9172

245.0206,
250.5417, 324.8789

■ 3.6273, 3.3920,
7.2415

294.2015,

■ 1.4935, 1.3396,

301.3410, 386.8056

3.5329

349.5589,
358.5808, 456.1403

■ 0.3214, 0.1716,
1.3727

■ 0.0000, 0.0000,
0.1203

■ 59.1817, 59.4711,
85.4507

■ 59.1817, 59.4711,
85.4507

■ 48.4360, 46.5237,
83.5189

■ 71.7016, 74.5568,
87.7036

■ 39.3791, 35.6108,
81.8899

■ 86.0650, 91.8634,
90.2871

■ 31.9268, 26.6314,
80.5494

■ 91.7082, 98.6633,
91.3022

■ 25.9857, 19.4726,
79.4808

■ 21.4524, 14.0103,
78.6654

■ 18.2109, 10.1043,
78.0823

■ 16.1265, 7.5926,
77.7073

■ 15.0351, 6.2773,
77.5110

■ 14.7083, 5.8836,
77.4522

Harmonies

Analogous

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



55.5119, 59.4711, 86.9326



59.1817, 59.4711, 85.4507



62.2593, 59.4711, 78.1313

Triad

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



59.1817, 59.4711, 85.4507



61.0215, 59.4711, 50.1239



49.8128, 59.4711, 61.8773

Complementary

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



59.1817, 59.4711, 85.4507



73.1690, 79.7714, 66.1860

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.



51.1550, 59.4711, 52.9979



59.1817, 59.4711, 85.4507



57.5513, 59.4711, 46.7100

Square

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



59.1817, 59.4711, 85.4507



63.3532, 59.4711, 57.5480



53.9500, 59.4711, 47.7020



50.2069, 59.4711, 72.5375

Rectangle

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



59.1817, 59.4711, 85.4507



63.5089, 59.4711, 71.3201



53.9500, 59.4711, 47.7020



50.0737, 59.4711, 58.6037

Sweetspot

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



59.1835, 59.4736, 85.4520



88.2286, 91.7808, 107.6731



67.5890, 76.4101, 87.8668



18.6188, 19.3246, 22.9987



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.



59.1835, 59.4736, 85.4520



68.5574, 68.0787, 104.1349



63.6676, 61.7845, 85.6617



14.2313, 14.5491, 18.9804



8.3458, 3.3385, 43.9475



0.6554, 0.2622, 3.4509

Inverse Universe

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



64.6854, 62.8038, 63.3594



76.5360, 72.9081, 72.0968



68.1956, 77.2085, 65.9534



15.0656, 15.0541, 15.6306



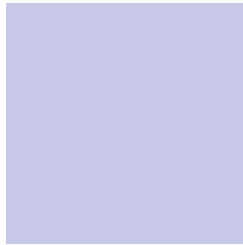
19.0678, 9.8298, 0.8927



1.4973, 0.7719, 0.0702

Previews

White Background



This preview shows how the XYZ color 59.1817, 59.4711, 85.4507 looks on a white background.

Color Contrast Check

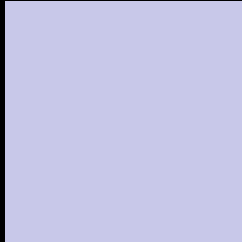
Large Text (above 18pt) WCAG AA × Fail

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 59.1817, 59.4711, 85.4507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

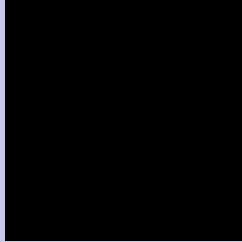
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.1817, 59.4711, 85.4507

Background



This preview shows how black text looks on a background with the XYZ color 59.1817, 59.4711, 85.4507.



This preview shows how white text looks on a background with the XYZ color 59.1817, 59.4711,

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

59.1817, 59.4711, 85.4507

Protanopia

58.7639, 59.5841, 86.2456

Deuteranopia

60.7775, 59.5941, 86.1414



Tritanopia

56.8014, 59.1733, 74.7575

Trichromacy



Original Color

59.1817, 59.4711, 85.4507

Protanomaly

59.0266, 59.7196, 86.2579

Deuteranomaly

60.1765, 59.6247, 86.1790

Tritanomaly

57.4946, 59.1068, 78.1905

Monochromacy



Original Color

59.1817, 59.4711, 85.4507

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

58.2503, 60.3147, 72.8618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1817, 59.4711, 85.4507 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, 200, 233)` looks like.

```
.text, #text, p{  
    color:rgb(200, 200, 233)  
}
```

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, 200, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 200, 233) }
```

Border

The CSS property to change the border of an element to XYZ 59.1817, 59.4711, 85.4507 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, 200, 233) }
```


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

```
.border{ border-color:rgb(200, 200, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 200, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(200, 200, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(200, 200, 233); box-shadow:4px 4px 4px 4px rgb(200, 200, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1817, 59.4711, 85.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 200, 233) }
```

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

```
.background{ background-color: rgb(200,  
200, 233) }
```

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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