

Converting Colors

XYZ(58.6608, 59.3989, 81.8709)

Have a look what the booklet for
XYZ(58.6608, 59.3989, 81.8709)
contains.

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Color

**XYZ(58.4773, 59.1893,
81.7414)**

Conversions

Conversions Part 1

Format	Color
Hex	C8C8E4
RGB	200, 200, 228
RGB Percent	78%, 78%, 89%
CMY	0.2157, 0.2157, 0.1059
CMYK	0.12, 0.12, 0.00, 0.11
HSL	240°, 34%, 84%
HSV	240°, 12%, 89%
XYZ	58.4773, 59.1893, 81.7414
YIQ	203.1920, -8.9880, 8.7080

Conversions

Conversions Part 2

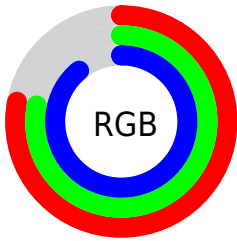
Format	Color
R _{YB}	200, 200, 228
Decimal	13158628
CIE Lab	81.40, 5.45, -13.85
CIE LCh	81, 14.881, 291.484
Yxy	59.1893, 0.2933, 0.2968
Android (android.graphics.Color)	4291348708 (0xFFC8C8E4)
YUV	203.1920, 12.2303, -2.7994
Hunter-Lab	76.9346, 1.0408, -9.1402

Details

The XYZ color **58.4773, 59.1893, 81.7414** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.1641, 76.1508, 65.6455**, and the grayscale version is **56.8164, 59.7753, 65.0953**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **29.6758, 29.6859, 43.7010** is the 20% darker color. If you saturate the color by 10%, you get **47.9442, 46.4981, 79.8478**, and if you desaturate by 10%, it is **70.7093, 73.9281, 83.9425**.

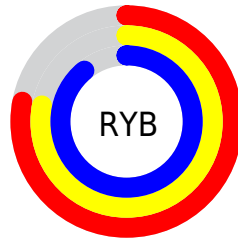
Distribution



Red (78%)

Green (78%)

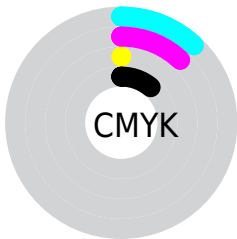
Blue (89%)



Red (78%)

Yellow (78%)

Blue (89%)

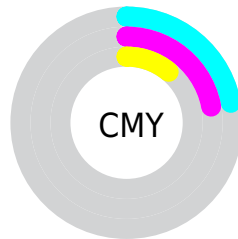


Cyan (12%)

Magenta (12%)

Yellow (0%)

Black (11%)



Cyan (22%)

Magenta (22%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4773, 59.1893, 81.7414 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 58.4773, 59.1893, 81.7414 by changing the saturation by 10% instead.

■ 58.4773, 59.1893,
81.7414

■ 58.4773, 59.1893,
81.7414

408.8874,
421.6031, 520.6430

■ 42.4372, 42.7655,
60.6178

101.7366,
103.6527, 137.6447

■ 29.6364, 29.7012,
43.4883

129.6865,
132.4612, 173.2616

■ 19.7095, 19.6119,
29.9342

162.3371,
166.1667, 214.5466

■ 12.2911, 12.1132,
19.5370

200.0537,
205.1535, 261.9183

■ 7.0158, 6.8208,
11.8782

243.2016,
249.8062, 315.7952

■ 3.5184, 3.3503,
6.5393

292.1463,

■ 1.4335, 1.3172,

300.5091, 376.5960

3.1016

347.2531,
357.6466, 444.7390

■ 0.2799, 0.1545,
1.1468

■ 0.0000, 0.0000,
0.0000

■ 58.4773, 59.1893,
81.7414

■ 58.4773, 59.1893,
81.7414

■ 47.9442, 46.4981,
79.8478

■ 70.7093, 73.9281,
83.9425

■ 39.0299, 35.7571,
78.2444

■ 84.7051, 90.7917,
86.4598

■ 31.6557, 26.8718,
76.9181

■ 91.0038, 98.3815,
87.5929

■ 25.7346, 19.7372,
75.8530

■ 21.1705, 14.2376,
75.0321

■ 17.8560, 10.2437,
74.4359

■ 15.6674, 7.6065,
74.0422

■ 14.4560, 6.1466,
73.8242

■ 14.0040, 5.6019,
73.7429

Harmonies

Analogous

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



55.3763, 59.1893, 82.9205



58.4773, 59.1893, 81.7414



61.0697, 59.1893, 75.7166

Triad

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



58.4773, 59.1893, 81.7414



60.0661, 59.1893, 51.9491



50.5460, 59.1893, 61.9429

Complementary

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



58.4773, 59.1893, 81.7414



70.1641, 76.1508, 65.6455

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.



51.7053, 59.1893, 54.3552



58.4773, 59.1893, 81.7414



57.1483, 59.1893, 48.9438

Square

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



58.4773, 59.1893, 81.7414



62.0103, 59.1893, 58.3735



54.0949, 59.1893, 49.7822



50.8723, 59.1893, 70.9280

Rectangle

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



58.4773, 59.1893, 81.7414



62.1234, 59.1893, 70.0429



54.0949, 59.1893, 49.7822



50.7732, 59.1893, 59.1575

Sweetspot

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



58.4791, 59.1918, 81.7427



88.2286, 91.7809, 107.6731



65.5028, 73.3428, 83.7648



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.



58.4791, 59.1918, 81.7427



71.3402, 71.4319, 104.6354



62.2546, 61.1374, 81.9193



13.5830, 13.8874, 18.1090



8.0863, 3.2348, 42.5813



0.5976, 0.2391, 3.1466

Inverse Universe

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



63.0760, 61.9741, 63.2840



78.4807, 75.7538, 75.9629



66.0378, 74.0245, 65.4525



14.3771, 14.3680, 14.9202



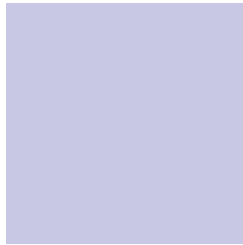
18.4751, 9.5243, 0.8650



1.3653, 0.7038, 0.0640

Previews

White Background



This preview shows how the XYZ color 58.4773, 59.1893, 81.7414 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 58.4773, 59.1893, 81.7414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

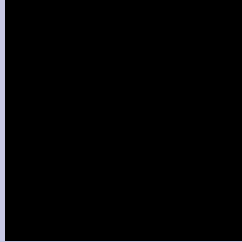
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4773, 59.1893, 81.7414

Background



This preview shows how black text looks on a background with the XYZ color 58.4773, 59.1893, 81.7414.



This preview shows how white text looks on a background with the XYZ color 58.4773, 59.1893,

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

58.4773, 59.1893, 81.7414

Protanopia

58.1789, 59.3805, 81.7940

Deuteranopia

60.4036, 59.1450, 82.3612



Tritanopia

57.0641, 59.3088, 74.7698

Trichromacy



Original Color

58.4773, 59.1893, 81.7414

Protanomaly

58.4434, 59.5168, 81.8064

Deuteranomaly

59.7905, 59.1671, 82.3978

Tritanomaly

57.6246, 59.1893, 77.4948

Monochromacy



Original Color

58.4773, 59.1893, 81.7414

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

57.3613, 59.5511, 70.7586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4773, 59.1893, 81.7414 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(200, 200, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 200, 228) }
```

Border

The CSS property to change the border of an element to XYZ 58.4773, 59.1893, 81.7414 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, 228) }
```


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

```
.border{ border-color:rgb(200, 200, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 200, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 200, 228);  
box-shadow:4px 4px 4px 4px rgb(200, 200,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4773, 59.1893, 81.7414 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, 228) }
```

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

```
.background{ background-color: rgb(200,  
200, 228) }
```

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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