

Converting Colors

XYZ(23.1898, 23.5710, 59.8273)

Have a look what the booklet for
XYZ(23.1898, 23.5710, 59.8273)
contains.

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Color

**XYZ(23.1898, 23.5710,
59.8273)**

Conversions

Conversions Part 1

Format	Color
Hex	5587CB
RGB	85, 135, 203
RGB Percent	33%, 53%, 80%
CMY	0.6666, 0.4706, 0.2039
CMYK	0.58, 0.33, 0.00, 0.20
HSL	215°, 53%, 56%
HSV	215°, 58%, 80%
XYZ	23.1898, 23.5710, 59.8273
YIQ	127.8020, -51.6280, 10.5480

Conversions

Conversions Part 2

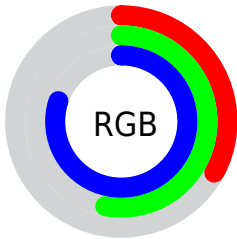
Format	Color
R _Y B	85, 120, 203
Decimal	5605323
CIE Lab	55.66, 3.57, -40.27
CIE LCh	56, 40.425, 275.069
Yxy	23.5710, 0.2176, 0.2211
Android (android.graphics.Color)	4283795403 (0xFF5587CB)
YUV	127.8020, 37.0726, -37.5374
Hunter-Lab	48.5500, 0.2977, -39.0771

Details

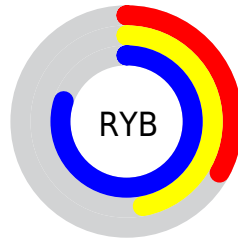
The XYZ color **23.1898, 23.5710, 59.8273** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **37.6609, 36.1370, 13.5859**, and the grayscale version is **20.3387, 21.3979, 23.3024**.

A 20% lighter version of the original color is **47.3609, 49.0261, 101.5745**, and **8.7857, 8.8518, 29.2625** is the 20% darker color. If you saturate the color by 10%, you get **20.0608, 19.6668, 59.2391**, and if you desaturate by 10%, it is **27.0285, 28.1081, 60.5012**.

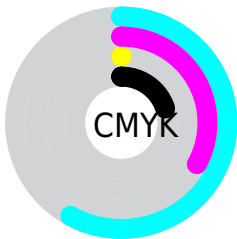
Distribution



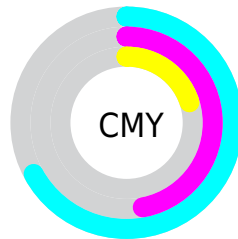
- Red (33%)
- Green (53%)
- Blue (80%)



- Red (33%)
- Yellow (47%)
- Blue (80%)



- Cyan (58%)
- Magenta (33%)
- Yellow (0%)
- Black (20%)



- Cyan (67%)
- Magenta (47%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1898, 23.5710, 59.8273 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 23.1898, 23.5710, 59.8273 by changing the saturation by 10% instead.

■ 23.1898, 23.5710,
59.8273

■ 23.1898, 23.5710,
59.8273

261.2155,
270.6444, 441.7479

■ 14.8552, 15.0157,
42.8551

■ 48.1692, 49.3292,
106.1200

■ 8.8035, 8.8304,
29.4409

■ 65.5446, 67.3009,
136.2776

■ 4.6693, 4.6307,
19.1661

■ 86.6644, 89.1802,
171.6673

■ 2.0873, 2.0323,
11.6124

■ 111.8938,
115.3515, 212.7078

■ 0.6823, 0.6261,
6.3610

141.5983,
146.1992, 259.8176

■ 0.0000, 0.0000,
2.9935

176.1432,

■ 0.0000, 0.0000,

182.1076, 313.4151

1.0913

215.8938,
223.4612, 373.9191

■ 0.0000, 0.0000,
0.0000

■ 23.1898, 23.5710,
59.8273

■ 23.1898, 23.5710,
59.8273

■ 20.0608, 19.6668,
59.2391

■ 27.0285, 28.1081,
60.5012

■ 17.5864, 16.3575,
58.7308

■ 31.6209, 33.3077,
61.2628

■ 15.7069, 13.6035,
58.2982

■ 37.0102, 39.2005,
62.1162

■ 14.3339, 11.3498,
57.9356

■ 43.2352, 45.8139,
63.0646

■ 14.1084, 10.9695,
57.8741

■ 50.3324, 53.1739,
64.1111

■ 58.3357, 61.3051,
65.2588

■ 67.2772, 70.2308,
66.5104

■ 77.1876, 79.9731,
67.8685

■ 83.2653, 88.0633,
69.1097

Harmonies

Analogous

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



18.8963, 23.5710, 55.9597



23.1898, 23.5710, 59.8273



27.8474, 23.5710, 52.2996

Triad

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



23.1898, 23.5710, 59.8273



30.4021, 23.5710, 13.7405



15.3358, 23.5710, 16.4426

Complementary

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



23.1898, 23.5710, 59.8273



37.6609, 36.1370, 13.5859

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.



17.7198, 23.5710, 10.0743



23.1898, 23.5710, 59.8273



26.3199, 23.5710, 8.9274

Square

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



23.1898, 23.5710, 59.8273



32.3579, 23.5710, 23.5026



21.6352, 23.5710, 7.8606



14.7339, 23.5710, 27.9558

Rectangle

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



23.1898, 23.5710, 59.8273



30.4170, 23.5710, 42.9617



21.6352, 23.5710, 7.8606



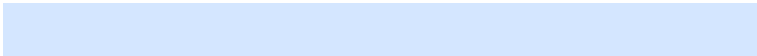
15.9378, 23.5710, 13.7733

Sweetspot

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



23.1907, 23.5718, 59.8279



73.4023, 77.7686, 105.7499



30.7599, 46.9065, 37.0826



15.2263, 16.1368, 22.5622



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.



23.1907, 23.5718, 59.8279



32.3200, 31.2763, 98.9412



18.5299, 13.1304, 58.0581



10.9859, 11.6123, 14.2328



9.0646, 7.1531, 36.8592



0.5423, 0.5183, 1.9264

Inverse Universe

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



32.2511, 20.9440, 25.2650



49.5373, 28.7694, 32.7045



45.5365, 54.9882, 16.8095



11.4063, 11.2912, 12.6740



16.7863, 8.5251, 6.5932



0.9037, 0.4549, 0.5385

Previews

White Background



This preview shows how the XYZ color 23.1898, 23.5710, 59.8273 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1898, 23.5710, 59.8273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

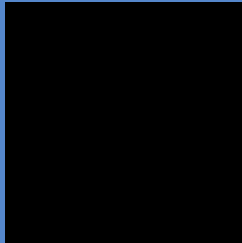
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1898, 23.5710, 59.8273

Background



This preview shows how black text looks on a background with the XYZ color 23.1898, 23.5710, 59.8273.

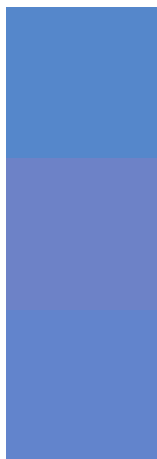


This preview shows how white text looks on a background with the XYZ color 23.1898, 23.5710,

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

23.1898, 23.5710, 59.8273

Protanopia

24.5981, 23.3400, 57.2414

Deuteranopia

24.1874, 23.4588, 60.3799



Tritanopia

18.1540, 23.4706, 35.0260

Trichromacy



Original Color

23.1898, 23.5710, 59.8273

Protanomaly

23.9321, 23.3820, 57.8954

Deuteranomaly

23.8008, 23.4618, 60.4009

Tritanomaly

19.7402, 23.4446, 43.0200

Monochromacy



Original Color

23.1898, 23.5710, 59.8273

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.7148, 22.0439, 34.1735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1898, 23.5710, 59.8273 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(85, 135, 203)` looks like.

```
.text, #text, p{  
    color:rgb(85, 135, 203)  
}
```

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(85, 135, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 135, 203) }
```

Border

The CSS property to change the border of an element to XYZ 23.1898, 23.5710, 59.8273 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(85, 135, 203) }
```


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

```
.border{ border-color:rgb(85, 135, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 135, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 135, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 135, 203);  
box-shadow:4px 4px 4px 4px rgb(85, 135,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1898, 23.5710, 59.8273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 135, 203) }
```

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

```
.background{ background-color: rgb(85, 135,  
203) }
```

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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