

Converting Colors

XYZ(31.2173, 31.6915, 58.4467)

Have a look what the booklet for
XYZ(31.2173, 31.6915, 58.4467)
contains.

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Color

**XYZ(31.2099, 31.5665,
58.4808)**

Conversions

Conversions Part 1

Format	Color
Hex	8598C7
RGB	133, 152, 199
RGB Percent	52%, 60%, 78%
CMY	0.4784, 0.4039, 0.2196
CMYK	0.33, 0.24, 0.00, 0.22
HSL	223°, 37%, 65%
HSV	223°, 33%, 78%
XYZ	31.2099, 31.5665, 58.4808
YIQ	151.6770, -26.4110, 10.5890

Conversions

Conversions Part 2

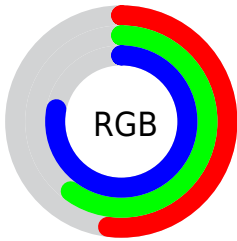
Format	Color
R_{YB}	133, 148, 199
Decimal	8755399
CIE _{Lab}	62.98, 4.50, -26.40
CIE _{LCh}	63, 26.777, 279.686
Yxy	31.5665, 0.2574, 0.2603
Android (android.graphics.Color)	4286945479 (0xFF8598C7)
YUV	151.6770, 23.3302, -16.3797
Hunter-Lab	56.1841, 0.8335, -22.3848

Details

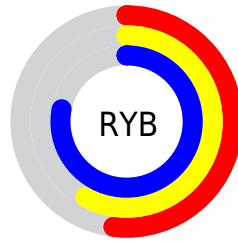
The XYZ color **31.2099, 31.5665, 58.4808** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **44.1088, 46.4788, 28.8379**, and the grayscale version is **29.6176, 31.1600, 33.9333**.

A 20% lighter version of the original color is **60.8603, 62.0540, 103.3777**, and **13.1579, 13.1010, 28.6233** is the 20% darker color. If you saturate the color by 10%, you get **26.1965, 25.7698, 57.6267**, and if you desaturate by 10%, it is **37.0954, 38.2222, 59.4558**.

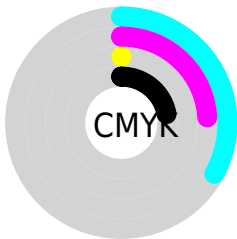
Distribution



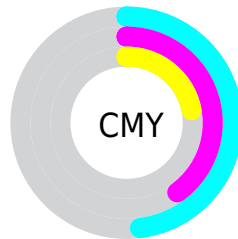
- Red (52%)
- Green (60%)
- Blue (78%)



- Red (52%)
- Yellow (58%)
- Blue (78%)



- Cyan (33%)
- Magenta (24%)
- Yellow (0%)
- Black (22%)



- Cyan (48%)
- Magenta (40%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2099, 31.5665, 58.4808 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 31.2099, 31.5665, 58.4808 by changing the saturation by 10% instead.

■ 31.2099, 31.5665,
58.4808

■ 31.2099, 31.5665,
58.4808

■ 299.3138,
309.1398, 436.6233

■ 20.9113, 21.0306,
41.7780

■ 60.9440, 62.1309,
104.1444

■ 13.1713, 13.1464,
28.6033

■ 81.1102, 82.9281,
133.9423

■ 7.6244, 7.5294,
18.5379

■ 105.2964,
107.9147, 168.9423

■ 3.9054, 3.7953,
11.1634

■ 133.8679,
137.4748, 209.5630

■ 1.6487, 1.5597,
6.0613

■ 167.1900,
171.9930, 256.2229

■ 0.4239, 0.3302,
2.8130

■ 205.6281,

■ 0.0000, 0.0000,

211.8536, 309.3406

1.0000

249.5476,
257.4411, 369.3345

■ 0.0000, 0.0000,
0.0000

■ 31.2099, 31.5665,
58.4808

■ 31.2099, 31.5665,
58.4808

■ 26.1965, 25.7698,
57.6267

■ 37.0954, 38.2222,
59.4558

■ 22.0088, 20.7916,
56.8865

■ 43.8900, 45.7674,
60.5541

■ 18.6005, 16.5938,
56.2559

■ 51.6326, 54.2359,
61.7806

■ 15.9193, 13.1332,
55.7293

■ 60.3584, 63.6582,
63.1394

■ 13.9057, 10.3620,
55.3005

■ 70.1012, 74.0636,
64.6343

■ 12.4896, 8.2252,
54.9627

■ 80.8930, 85.4801,
66.2691

■ 11.7864, 7.0785,
54.7784

■ 86.1089, 94.5036,
67.7359

■ 87.3089, 96.9036,
68.1359

Harmonies

Analogous

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



27.6117, 31.5665, 57.1063



31.2099, 31.5665, 58.4808



34.7546, 31.5665, 52.4536

Triad

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



31.2099, 31.5665, 58.4808



35.7875, 31.5665, 22.9811



23.8415, 31.5665, 27.8012

Complementary

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



31.2099, 31.5665, 58.4808



44.1088, 46.4788, 28.8379

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.



25.7055, 31.5665, 21.0096



31.2099, 31.5665, 58.4808



32.5285, 31.5665, 18.6473

Square

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



31.2099, 31.5665, 58.4808



37.5366, 31.5665, 31.0711



28.8276, 31.5665, 18.0081



23.5515, 31.5665, 37.8957

Rectangle

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



31.2099, 31.5665, 58.4808



36.5388, 31.5665, 45.6536



28.8276, 31.5665, 18.0081



24.2971, 31.5665, 25.1189

Sweetspot

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



31.2109, 31.5677, 58.4815



80.7611, 84.4367, 106.6491



38.2541, 49.0969, 50.2152



16.8863, 17.6339, 22.7636



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.



31.2109, 31.5677, 58.4815



47.9895, 47.5975, 101.2657



30.5870, 27.0291, 57.6384



10.3013, 10.7766, 13.4546



7.6446, 4.6832, 35.2454



0.4254, 0.3487, 1.6900

Inverse Universe

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



37.6091, 31.1852, 33.7441



61.1124, 47.4349, 50.3884



44.8589, 52.9550, 30.0485



10.7573, 10.6863, 11.7055



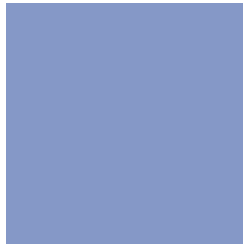
15.6580, 8.0128, 3.4088



0.7734, 0.3922, 0.3301

Previews

White Background



This preview shows how the XYZ color 31.2099, 31.5665, 58.4808 looks on a white background.

Color Contrast Check

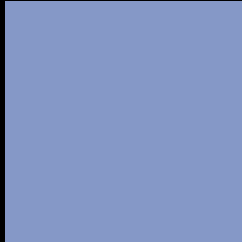
Large Text (above 18pt) WCAG AA × Fail

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 31.2099, 31.5665, 58.4808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

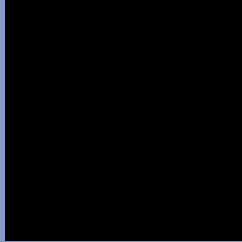
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

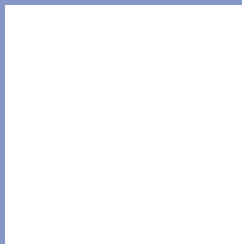
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2099, 31.5665, 58.4808

Background



This preview shows how black text looks on a background with the XYZ color 31.2099, 31.5665, 58.4808.



This preview shows how white text looks on a background with the XYZ color 31.2099, 31.5665,

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

31.2099, 31.5665, 58.4808

Protanopia

31.9146, 31.4654, 57.8174

Deuteranopia

32.3162, 31.6455, 59.0485



Tritanopia

27.9169, 31.4518, 42.6296

Trichromacy



Original Color

31.2099, 31.5665, 58.4808

Protanomaly

31.5762, 31.5288, 57.8475

Deuteranomaly

31.9732, 31.7066, 59.0784

Tritanomaly

29.1151, 31.4460, 48.2512

Monochromacy



Original Color

31.2099, 31.5665, 58.4808

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.0667, 31.3408, 42.0008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2099, 31.5665, 58.4808 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(133, 152, 199)` looks like.

```
.text, #text, p{  
    color:rgb(133, 152, 199)  
}
```

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(133, 152, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 152, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.2099, 31.5665, 58.4808 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(133, 152, 199) }
```


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

```
.border{ border-color:rgb(133, 152, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 152, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 152, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 152, 199);  
box-shadow:4px 4px 4px 4px rgb(133, 152,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2099, 31.5665, 58.4808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 152, 199) }
```

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

```
.background{ background-color: rgb(133,  
152, 199) }
```

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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