

Converting Colors

XYZ(27.9515, 31.6803, 58.6786)

Have a look what the booklet for
XYZ(27.9515, 31.6803, 58.6786)
contains.

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Color

**XYZ(27.9625, 31.6291,
58.6641)**

Conversions

Conversions Part 1

Format	Color
Hex	649FC7
RGB	100, 159, 199
RGB Percent	39%, 62%, 78%
CMY	0.6078, 0.3765, 0.2196
CMYK	0.50, 0.20, 0.00, 0.22
HSL	204°, 47%, 59%
HSV	204°, 50%, 78%
XYZ	27.9625, 31.6291, 58.6641
YIQ	145.9190, -48.0040, -0.0680

Conversions

Conversions Part 2

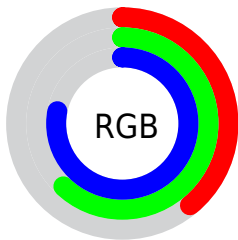
Format	Color
R_{YB}	100, 137, 199
Decimal	6594503
CIE _{Lab}	63.04, -8.12, -26.47
CIE _{LCh}	63, 27.694, 252.940
Yxy	31.6291, 0.2365, 0.2675
Android (android.graphics.Color)	4284784583 (0xFF649FC7)
YUV	145.9190, 26.1689, -40.2710
Hunter-Lab	56.2398, -9.6691, -22.4780

Details

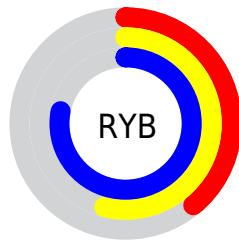
The XYZ color **27.9625, 31.6291, 58.6641** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **35.2326, 31.8197, 16.3427**, and the grayscale version is **27.1997, 28.6162, 31.1631**.

A 20% lighter version of the original color is **55.8069, 62.3811, 103.7072**, and **11.3878, 13.2409, 28.7436** is the 20% darker color. If you saturate the color by 10%, you get **24.6865, 27.9546, 58.1281**, and if you desaturate by 10%, it is **31.8681, 35.7630, 59.2568**.

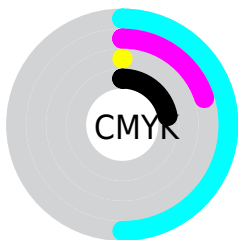
Distribution



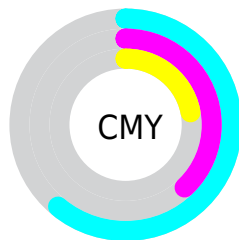
- Red (39%)
- Green (62%)
- Blue (78%)



- Red (39%)
- Yellow (54%)
- Blue (78%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)
- Black (22%)



- Cyan (61%)
- Magenta (38%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9625, 31.6291, 58.6641 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 27.9625, 31.6291, 58.6641 by changing the saturation by 10% instead.

■ 27.9625, 31.6291,
58.6641

■ 27.9625, 31.6291,
58.6641

284.3710,
309.4262, 437.3232

■ 18.4377, 21.0784,
41.9245

■ 55.8336, 62.2292,
104.4136

■ 11.3663, 13.1813,
28.7171

■ 74.9107, 83.0473,
134.2607

■ 6.3829, 7.5535,
18.6232

■ 97.9025, 108.0567,
169.3140

■ 3.1221, 3.8106,
11.2243

■ 125.1745,
137.6417, 209.9921

■ 1.2187, 1.5682,
6.1018

157.0920,
172.1868, 256.7135

■ 0.1210, 0.3360,
2.8373

194.0203,

■ 0.0000, 0.0000,

212.0763, 309.8968

1.0122

236.3249,
257.6946, 369.9605

■ 0.0000, 0.0000,
0.0000

■ 27.9625, 31.6291,
58.6641

■ 27.9625, 31.6291,
58.6641

■ 24.6865, 27.9546,
58.1281

■ 31.8681, 35.7630,
59.2568

■ 21.9955, 24.7120,
57.6440

■ 36.4375, 40.3745,
59.9060

■ 19.8433, 21.8756,
57.2100

■ 41.7063, 45.4849,
60.6147

■ 18.1745, 19.4141,
56.8228

■ 47.7062, 51.1129,
61.3848

■ 16.8883, 17.2729,
56.4773

■ 54.4671, 57.2761,
62.2181

■ 16.8578, 17.2213,
56.4690

■ 62.0168, 63.9912,
63.1163

■ 70.3821, 71.2741,
64.0812

■ 78.0239, 78.3335,
65.0410

■ 80.2276, 82.7409,
65.7756

Harmonies

Analogous

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



25.0084, 31.6291, 50.8140



27.9625, 31.6291, 58.6641



31.7343, 31.6291, 59.2232

Triad

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



27.9625, 31.6291, 58.6641



37.7889, 31.6291, 29.9477



25.3396, 31.6291, 21.2410

Complementary

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



27.9625, 31.6291, 58.6641



35.2326, 31.8197, 16.3427

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.



28.4505, 31.6291, 17.7606



27.9625, 31.6291, 58.6641



35.7554, 31.6291, 22.0239

Square

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



27.9625, 31.6291, 58.6641



37.6302, 31.6291, 40.9733



32.2651, 31.6291, 18.0131



23.5842, 31.6291, 28.6387

Rectangle

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



27.9625, 31.6291, 58.6641



34.2279, 31.6291, 55.2366



32.2651, 31.6291, 18.0131



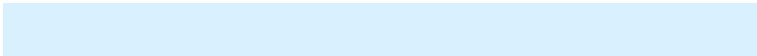
26.2496, 31.6291, 19.6519

Sweetspot

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



27.9636, 31.6303, 58.6649



77.6174, 83.9863, 106.7278



30.3842, 45.4387, 31.8270



16.1416, 17.5319, 22.7832



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.



27.9636, 31.6303, 58.6649



42.6396, 48.2650, 101.6765



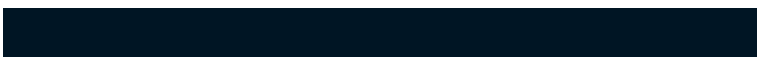
21.1306, 17.9645, 56.3872



10.5734, 11.3208, 13.5454



10.9276, 11.2491, 36.3397



0.5871, 0.6721, 1.7439

Inverse Universe

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



34.3693, 23.7608, 35.5768



55.6373, 34.6211, 54.3084



44.0734, 49.5013, 19.2896



10.8947, 10.7413, 12.4287



17.3151, 8.6756, 12.1349



0.8551, 0.4249, 0.7599

Previews

White Background



This preview shows how the XYZ color 27.9625, 31.6291, 58.6641 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 27.9625, 31.6291, 58.6641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

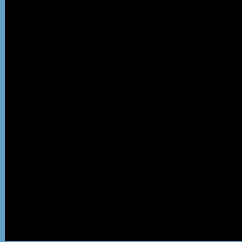
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.9625, 31.6291, 58.6641

Background



This preview shows how black text looks on a background with the XYZ color 27.9625, 31.6291, 58.6641.

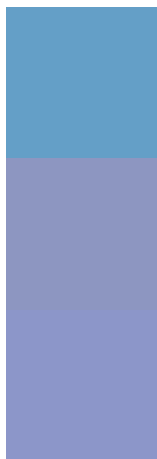


This preview shows how white text looks on a background with the XYZ color 27.9625, 31.6291,

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

27.9625, 31.6291, 58.6641

Protanopia

31.5165, 31.3257, 54.8374

Deuteranopia

32.2642, 31.6052, 59.6582



Tritanopia

25.4479, 31.6561, 45.8433

Trichromacy



Original Color

27.9625, 31.6291, 58.6641

Protanomaly

29.8457, 31.1582, 56.0709

Deuteranomaly

30.2740, 31.3126, 59.0919

Tritanomaly

26.3959, 31.7881, 50.0919

Monochromacy



Original Color

27.9625, 31.6291, 58.6641

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.9114, 29.5170, 39.8763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9625, 31.6291, 58.6641 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(100, 159, 199)` looks like.

```
.text, #text, p{  
    color:rgb(100, 159, 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(100, 159, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 159, 199) }
```

Border

The CSS property to change the border of an element to XYZ 27.9625, 31.6291, 58.6641 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(100, 159, 199) }
```


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

```
.border{ border-color:rgb(100, 159, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 159, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 159, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 159, 199);  
box-shadow:4px 4px 4px 4px rgb(100, 159,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9625, 31.6291, 58.6641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 159, 199) }
```

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

```
.background{ background-color: rgb(100,  
159, 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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