

Converting Colors

XYZ(31.3056, 38.3641, 59.3455)

Have a look what the booklet for
XYZ(31.3056, 38.3641, 59.3455)
contains.

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Color

**XYZ(31.2820, 38.2882,
59.1677)**

Conversions

Conversions Part 1

Format	Color
Hex	65B1C6
RGB	101, 177, 198
RGB Percent	40%, 69%, 78%
CMY	0.6039, 0.3059, 0.2235
CMYK	0.49, 0.11, 0.00, 0.22
HSL	193°, 46%, 59%
HSV	193°, 49%, 78%
XYZ	31.2820, 38.2882, 59.1677
YIQ	156.6700, -52.0370, -9.5810

Conversions

Conversions Part 2

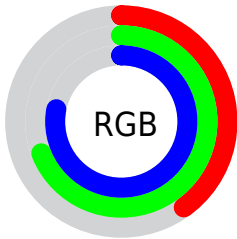
Format	Color
RYB	101, 144, 198
Decimal	6664646
CIELab	68.23, -17.86, -17.98
CIELCh	68, 25.339, 225.194
Yxy	38.2882, 0.2430, 0.2974
Android (android.graphics.Color)	4284854726 (0xFF65B1C6)
YUV	156.6700, 20.3757, -48.8226
Hunter-Lab	61.8775, -18.0453, -13.3793

Details

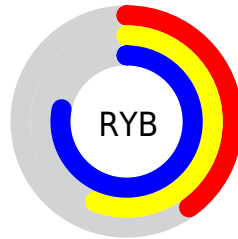
The XYZ color **31.2820, 38.2882, 59.1677** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.5980, 26.8653, 15.7804**, and the grayscale version is **31.8289, 33.4865, 36.4668**.

A 20% lighter version of the original color is **61.0935, 72.6659, 105.4137**, and **13.1561, 16.9003, 28.9542** is the 20% darker color. If you saturate the color by 10%, you get **28.4933, 35.6142, 58.7992**, and if you desaturate by 10%, it is **34.6337, 41.2936, 59.5718**.

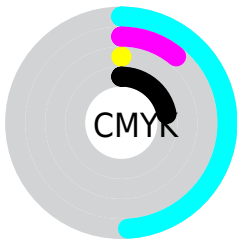
Distribution



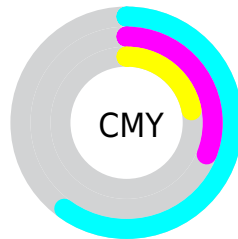
- Red (40%)
- Green (69%)
- Blue (78%)



- Red (40%)
- Yellow (56%)
- Blue (78%)



- Cyan (49%)
- Magenta (11%)
- Yellow (0%)
- Black (22%)



- Cyan (60%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2820, 38.2882, 59.1677 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 31.2820, 38.2882, 59.1677 by changing the saturation by 10% instead.

■ 31.2820, 38.2882,
59.1677

■ 31.2820, 38.2882,
59.1677

299.6391,
338.8547, 439.2423

■ 20.9666, 26.2064,
42.3272

■ 61.0566, 72.5497,
105.1529

■ 13.2119, 16.9781,
29.0301

■ 81.2465, 95.4982,
135.1347

■ 7.6526, 10.2189,
18.8578

■ 105.4585,
122.8377, 170.3340

■ 3.9234, 5.5443,
11.3918

■ 134.0582,
154.9526, 211.1694

■ 1.6589, 2.5700,
6.2136

167.4107,
192.2274, 258.0593

■ 0.4303, 0.9116,
2.9045

205.8814,

■ 0.0000, 0.0000,

235.0464, 311.4224

1.0461

249.8358,
283.7940, 371.6772

■ 0.0000, 0.0000,
0.0000

■ 31.2820, 38.2882,
59.1677

■ 31.2820, 38.2882,
59.1677

■ 28.4933, 35.6142,
58.7992

■ 34.6337, 41.2936,
59.5718

■ 26.2248, 33.2466,
58.4618

■ 38.5802, 44.6447,
60.0107

■ 24.4331, 31.1636,
58.1542

■ 43.1550, 48.3598,
60.4866

■ 23.0658, 29.3378,
57.8738

■ 48.3881, 52.4549,
61.0012

■ 22.0348, 27.7234,
57.6166

■ 54.3075, 56.9446,
61.5559

■ 21.9374, 27.5656,
57.5912

■ 60.9395, 61.8428,
62.1518

■ 68.3091, 67.1629,
62.7902

■ 74.8006, 72.0721,
63.3956

■ 75.8817, 74.2343,
63.7560

Harmonies

Analogous

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



29.5227, 38.2882, 47.6742



31.2820, 38.2882, 59.1677



34.4792, 38.2882, 66.5456

Triad

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



31.2820, 38.2882, 59.1677



44.2666, 38.2882, 47.5181



34.4311, 38.2882, 23.9772

Complementary

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



31.2820, 38.2882, 59.1677



32.5980, 26.8653, 15.7804

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.



38.3738, 38.2882, 23.9507



31.2820, 38.2882, 59.1677



44.2514, 38.2882, 36.2275

Square

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



31.2820, 38.2882, 59.1677



42.0700, 38.2882, 59.0356



42.0297, 38.2882, 28.0443



31.2490, 38.2882, 28.1247

Rectangle

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



31.2820, 38.2882, 59.1677



37.0860, 38.2882, 67.4166



42.0297, 38.2882, 28.0443



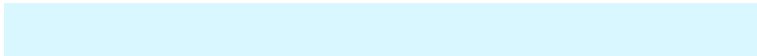
35.7063, 38.2882, 23.5146

Sweetspot

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



31.2832, 38.2897, 59.1686



79.7661, 88.2835, 107.4440



28.9764, 44.5215, 24.9643



16.6614, 18.5715, 22.9564



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.



31.2832, 38.2897, 59.1686



50.0586, 62.6674, 104.0654



23.5569, 22.8370, 56.5932



10.7444, 11.6628, 13.6023



14.3310, 18.0559, 37.4742



0.7285, 0.9547, 1.7910

Inverse Universe

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



35.8792, 24.4886, 44.4322



59.4884, 36.5687, 73.3329



39.8079, 41.2851, 18.1837



10.9810, 10.7758, 12.8832



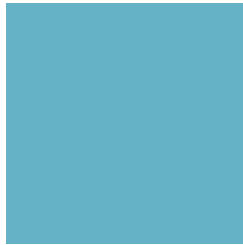
19.0330, 9.3627, 21.1813



0.9264, 0.4534, 1.1355

Previews

White Background



This preview shows how the XYZ color 31.2820, 38.2882, 59.1677 looks on a white background.

Color Contrast Check

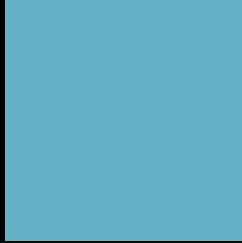
Large Text (above 18pt) WCAG AA × Fail

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 31.2820, 38.2882, 59.1677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

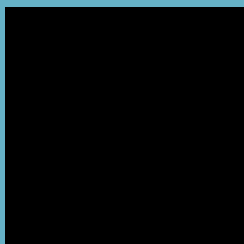
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

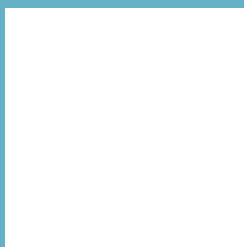
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2820, 38.2882, 59.1677

Background



This preview shows how black text looks on a background with the XYZ color 31.2820, 38.2882, 59.1677.



This preview shows how white text looks on a background with the XYZ color 31.2820, 38.2882,

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

31.2820, 38.2882, 59.1677

Protanopia

37.1587, 37.8021, 53.4822

Deuteranopia

38.7728, 37.9502, 60.5399



Tritanopia

30.5804, 38.2992, 55.6499

Trichromacy



Original Color

31.2820, 38.2882, 59.1677

Protanomaly

34.3499, 37.6707, 55.3299

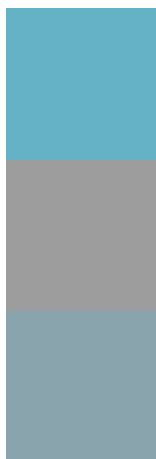
Deuteranomaly

35.2285, 37.4703, 60.0193

Tritanomaly

30.9135, 38.4452, 56.8303

Monochromacy



Original Color

31.2820, 38.2882, 59.1677

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.0384, 34.8478, 44.1201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2820, 38.2882, 59.1677 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(101, 177, 198)` looks like.

```
.text, #text, p{  
    color:rgb(101, 177, 198)  
}
```

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(101, 177, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 177, 198) }
```

Border

The CSS property to change the border of an element to XYZ 31.2820, 38.2882, 59.1677 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(101, 177, 198) }
```


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

```
.border{ border-color:rgb(101, 177, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 177, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 177, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 177, 198);  
box-shadow:4px 4px 4px 4px rgb(101, 177,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2820, 38.2882, 59.1677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 177, 198) }
```

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

```
.background{ background-color: rgb(101,  
177, 198) }
```

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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