

Converting Colors

XYZ(30.9149, 38.0490, 58.3941)

Have a look what the booklet for
XYZ(30.9149, 38.0490, 58.3941)
contains.

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Color

**XYZ(30.9458, 38.1281,
58.5518)**

Conversions

Conversions Part 1

Format	Color
Hex	63B1C5
RGB	99, 177, 197
RGB Percent	39%, 69%, 77%
CMY	0.6117, 0.3059, 0.2274
CMYK	0.50, 0.10, 0.00, 0.23
HSL	192°, 46%, 58%
HSV	192°, 50%, 77%
XYZ	30.9458, 38.1281, 58.5518
YIQ	155.9580, -52.9080, -10.3160

Conversions

Conversions Part 2

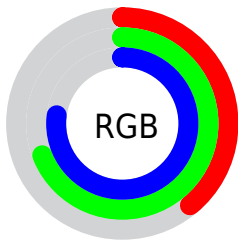
Format	Color
RYB	99, 142, 197
Decimal	6533573
CIELab	68.11, -18.59, -17.61
CIELCh	68, 25.609, 223.452
Yxy	38.1281, 0.2425, 0.2987
Android (android.graphics.Color)	4284723653 (0xFF63B1C5)
YUV	155.9580, 20.2337, -49.9522
Hunter-Lab	61.7480, -18.6013, -12.9975

Details

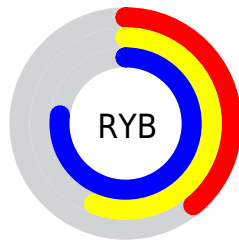
The XYZ color **30.9458, 38.1281, 58.5518** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.8759, 25.9659, 15.1375**, and the grayscale version is **31.5118, 33.1529, 36.1035**.

A 20% lighter version of the original color is **60.7386, 72.5015, 104.5589**, and **12.9649, 16.8105, 28.5480** is the 20% darker color. If you saturate the color by 10%, you get **28.2683, 35.5870, 58.2031**, and if you desaturate by 10%, it is **34.1741, 40.9895, 58.9346**.

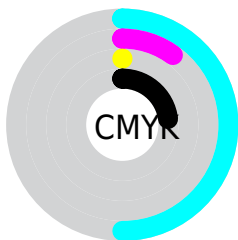
Distribution



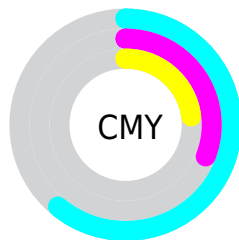
- Red (39%)
- Green (69%)
- Blue (77%)



- Red (39%)
- Yellow (56%)
- Blue (77%)



- Cyan (50%)
- Magenta (10%)
- Yellow (0%)
- Black (23%)



- Cyan (61%)
- Magenta (31%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9458, 38.1281, 58.5518 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 30.9458, 38.1281, 58.5518 by changing the saturation by 10% instead.

■ 30.9458, 38.1281,
58.5518

■ 30.9458, 38.1281,
58.5518

298.1199,
338.1692, 436.8945

■ 20.7092, 26.0821,
41.8348

■ 60.5312, 72.3044,
104.2487

■ 13.0229, 16.8851,
28.6473

■ 80.6106, 95.2036,
134.0656

■ 7.5214, 10.1526,
18.5709

■ 104.7018,
122.4893, 169.0863

■ 3.8395, 5.5003,
11.1870

■ 133.1699,
154.5458, 209.7292

■ 1.6117, 2.5437,
6.0770

166.3804,
191.7577, 256.4130

■ 0.4000, 0.8984,
2.8224

204.6987,

■ 0.0000, 0.0000,

234.5093, 309.5561

1.0047

248.4901,
283.1850, 369.5771

■ 0.0000, 0.0000,
0.0000

■ 30.9458, 38.1281,
58.5518

■ 30.9458, 38.1281,
58.5518

■ 28.2683, 35.5870,
58.2031

■ 34.1741, 40.9895,
58.9346

■ 26.0988, 33.3415,
57.8840

■ 37.9846, 44.1852,
59.3506

■ 24.3942, 31.3698,
57.5933

■ 42.4107, 47.7336,
59.8023

■ 23.1020, 29.6445,
57.3284

■ 47.4822, 51.6503,
60.2910

■ 22.1248, 28.1151,
57.0847

■ 53.2267, 55.9498,
60.8181

■ 22.1011, 28.0770,
57.0786

■ 59.6703, 60.6459,
61.3849

■ 66.8378, 65.7515,
61.9926

■ 74.1592, 70.9732,
62.6146

■ 75.1591, 72.9730,
62.9479

Harmonies

Analogous

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



29.2723, 38.1281, 46.8442



30.9458, 38.1281, 58.5518



34.0961, 38.1281, 66.3669

Triad

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



30.9458, 38.1281, 58.5518



44.1105, 38.1281, 48.0994



34.4824, 38.1281, 23.5887

Complementary

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



30.9458, 38.1281, 58.5518



31.8759, 25.9659, 15.1375

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.



38.4711, 38.1281, 23.8003



30.9458, 38.1281, 58.5518



44.2330, 38.1281, 36.6061

Square

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



30.9458, 38.1281, 58.5518



41.7817, 38.1281, 59.6150



42.1051, 38.1281, 28.1521



31.2106, 38.1281, 27.5085

Rectangle

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



30.9458, 38.1281, 58.5518



36.7040, 38.1281, 67.5649



42.1051, 38.1281, 28.1521



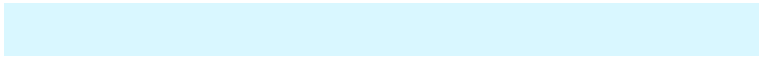
35.7792, 38.1281, 23.2042

Sweetspot

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



30.9470, 38.1295, 58.5527



79.9112, 88.5738, 107.4924



28.4187, 43.9084, 24.3058



16.6966, 18.6419, 22.9682



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.



30.9470, 38.1295, 58.5527



50.1251, 63.2361, 104.1717



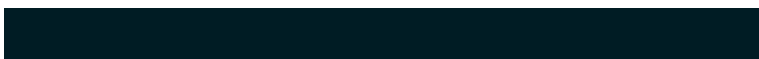
22.9963, 22.2281, 55.9025



10.7558, 11.6857, 13.6062



14.5975, 18.5889, 37.5630



0.7390, 0.9759, 1.7946

Inverse Universe

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



35.4247, 23.9695, 44.3559



59.4156, 36.1324, 74.2050



39.2080, 40.6301, 17.5816



10.9868, 10.7781, 12.9136



19.1675, 9.4165, 21.8895



0.9317, 0.4555, 1.1636

Previews

White Background



This preview shows how the XYZ color 30.9458, 38.1281, 58.5518 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 30.9458, 38.1281, 58.5518 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

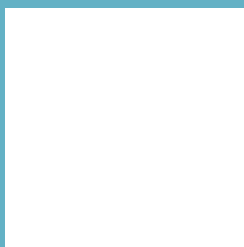
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9458, 38.1281, 58.5518

Background



This preview shows how black text looks on a background with the XYZ color 30.9458, 38.1281, 58.5518.



This preview shows how white text looks on a background with the XYZ color 30.9458, 38.1281,

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

30.9458, 38.1281, 58.5518

Protanopia

37.0505, 37.7588, 52.9124

Deuteranopia

38.6555, 37.9033, 59.9223



Tritanopia

30.3646, 38.1879, 55.6398

Trichromacy



Original Color

30.9458, 38.1281, 58.5518

Protanomaly

34.0732, 37.5408, 54.7405

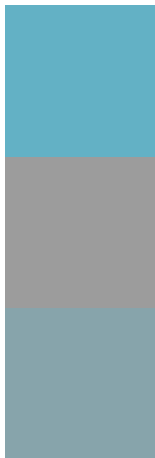
Deuteranomaly

34.9427, 37.3364, 59.3978

Tritanomaly

30.6950, 38.3325, 56.8201

Monochromacy



Original Color

30.9458, 38.1281, 58.5518

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.6178, 34.6421, 43.6009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9458, 38.1281, 58.5518 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(99, 177, 197)` looks like.

```
.text, #text, p{  
    color:rgb(99, 177, 197)  
}
```

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(99, 177, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 177, 197) }
```

Border

The CSS property to change the border of an element to XYZ 30.9458, 38.1281, 58.5518 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(99, 177, 197) }
```


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

```
.border{ border-color:rgb(99, 177, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 177, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 177, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 177, 197);  
box-shadow:4px 4px 4px 4px rgb(99, 177,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9458, 38.1281, 58.5518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 177, 197) }
```

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

```
.background{ background-color: rgb(99, 177,  
197) }
```

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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