

Converting Colors

XYZ(30.6116, 36.8265, 58.1602)

Have a look what the booklet for
XYZ(30.6116, 36.8265, 58.1602)
contains.

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Color

**XYZ(30.6151, 36.8019,
58.3132)**

Conversions

Conversions Part 1

Format	Color
Hex	67ADC5
RGB	103, 173, 197
RGB Percent	40%, 68%, 77%
CMY	0.5961, 0.3216, 0.2274
CMYK	0.48, 0.12, 0.00, 0.23
HSL	195°, 45%, 59%
HSV	195°, 48%, 77%
XYZ	30.6151, 36.8019, 58.3132
YIQ	154.8060, -49.4240, -7.3760

Conversions

Conversions Part 2

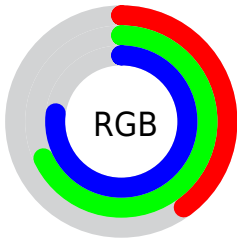
Format	Color
RYB	103, 143, 197
Decimal	6794693
CIELab	67.13, -15.57, -19.09
CIELCh	67, 24.635, 230.808
Yxy	36.8019, 0.2435, 0.2927
Android (android.graphics.Color)	4284984773 (0xFF67ADC5)
YUV	154.8060, 20.8016, -45.4339
Hunter-Lab	60.6646, -16.0808, -14.5267

Details

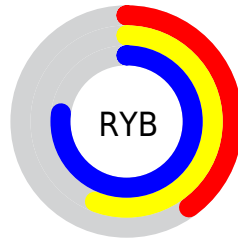
The XYZ color **30.6151, 36.8019, 58.3132** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.0643, 28.0291, 16.5005**, and the grayscale version is **30.9976, 32.6119, 35.5144**.

A 20% lighter version of the original color is **60.2068, 70.5653, 104.2132**, and **12.8775, 16.2158, 28.4378** is the 20% darker color. If you saturate the color by 10%, you get **27.6700, 33.8795, 57.9050**, and if you desaturate by 10%, it is **34.1311, 40.0741, 58.7602**.

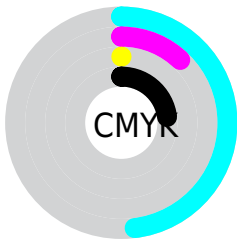
Distribution



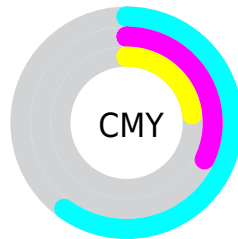
- Red (40%)
- Green (68%)
- Blue (77%)



- Red (40%)
- Yellow (56%)
- Blue (77%)



- Cyan (48%)
- Magenta (12%)
- Yellow (0%)
- Black (23%)



- Cyan (60%)
- Magenta (32%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6151, 36.8019, 58.3132 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 30.6151, 36.8019, 58.3132 by changing the saturation by 10% instead.

■ 30.6151, 36.8019,
58.3132

■ 30.6151, 36.8019,
58.3132

296.6198,
332.4521, 435.9828

■ 20.4563, 25.0541,
41.6441

■ 60.0135, 70.2680,
103.8981

■ 12.8374, 16.1174,
28.4993

■ 79.9839, 92.7551,
133.6510

■ 7.3929, 9.6073,
18.4600

■ 103.9556,
119.5909, 168.6022

■ 3.7575, 5.1394,
11.1079

■ 132.2938,
151.1596, 209.1704

■ 1.5659, 2.3293,
6.0244

165.3640,
187.8456, 255.7740

■ 0.3700, 0.7891,
2.7909

203.5315,

■ 0.0000, 0.0000,

230.0335, 308.8316

0.9889

247.1616,
278.1075, 368.7616

■ 0.0000, 0.0000,
0.0000

■ 30.6151, 36.8019,
58.3132

■ 30.6151, 36.8019,
58.3132

■ 27.6700, 33.8795,
57.9050

■ 34.1311, 40.0741,
58.7602

■ 25.2540, 31.2824,
57.5311

■ 38.2493, 43.7104,
59.2450

■ 23.3249, 28.9890,
57.1901

■ 43.0025, 47.7292,
59.7702

■ 21.8320, 26.9726,
56.8795

■ 48.4202, 52.1461,
60.3372

■ 20.7017, 25.1946,
56.5959

■ 54.5300, 56.9760,
60.9474

■ 20.4661, 24.8071,
56.5335

■ 61.3579, 62.2327,
61.6022

■ 68.9284, 67.9295,
62.3028

■ 75.1727, 73.0004,
62.9524

■ 76.4595, 75.5738,
63.3813

Harmonies

Analogous

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



28.6590, 36.8019, 47.8683



30.6151, 36.8019, 58.3132



33.8392, 36.8019, 64.1250

Triad

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



30.6151, 36.8019, 58.3132



42.5956, 36.8019, 43.4633



32.4783, 36.8019, 23.6932

Complementary

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



30.6151, 36.8019, 58.3132



33.0643, 28.0291, 16.5005

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.



36.1444, 36.8019, 22.9389



30.6151, 36.8019, 58.3132



42.1661, 36.8019, 33.1700

Square

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



30.6151, 36.8019, 58.3132



40.8740, 36.8019, 54.5979



39.7393, 36.8019, 26.0955



29.6801, 36.8019, 28.3807

Rectangle

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



30.6151, 36.8019, 58.3132



36.3495, 36.8019, 63.9867



39.7393, 36.8019, 26.0955



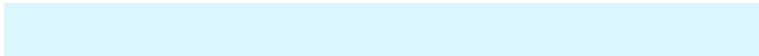
33.6436, 36.8019, 23.0087

Sweetspot

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



30.6163, 36.8033, 58.3141



80.2747, 88.1685, 107.3950



29.3589, 44.3362, 26.9197



16.7419, 18.5096, 22.9403



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.



30.6163, 36.8033, 58.3141



49.4801, 60.5988, 103.6966



23.1975, 21.9658, 55.8412



10.7086, 11.5913, 13.5904



13.5312, 16.4563, 37.2076



0.6964, 0.8905, 1.7803

Inverse Universe

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



35.4200, 24.5890, 42.4159



59.4189, 37.3927, 70.3407



40.5146, 42.9298, 18.9839



10.9630, 10.7686, 12.7882



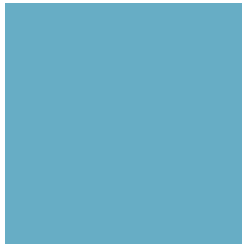
18.6293, 9.2013, 19.0554



0.9102, 0.4469, 1.0502

Previews

White Background



This preview shows how the XYZ color 30.6151, 36.8019, 58.3132 looks on a white background.

Color Contrast Check

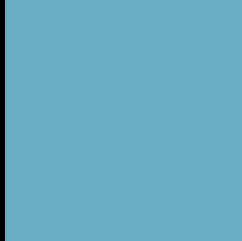
Large Text (above 18pt) WCAG AA × Fail

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 30.6151, 36.8019, 58.3132 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 30.6151, 36.8019, 58.3132

Background



This preview shows how black text looks on a background with the XYZ color 30.6151, 36.8019, 58.3132.



This preview shows how white text looks on a background with the XYZ color 30.6151, 36.8019,

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

30.6151, 36.8019, 58.3132

Protanopia

35.8348, 36.3320, 53.2682

Deuteranopia

37.3207, 36.4400, 59.7102



Tritanopia

29.4687, 36.6123, 53.0907

Trichromacy



Original Color

30.6151, 36.8019, 58.3132

Protanomaly

33.2861, 36.0344, 55.0701

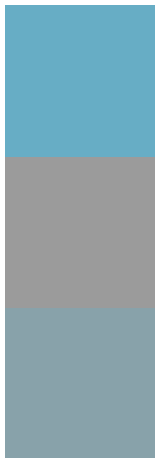
Deuteranomaly

34.2317, 36.1634, 59.2089

Tritanomaly

29.9069, 36.8004, 54.8171

Monochromacy



Original Color

30.6151, 36.8019, 58.3132

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.3294, 33.9772, 42.9899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6151, 36.8019, 58.3132 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(103, 173, 197)` looks like.

```
.text, #text, p{  
    color:rgb(103, 173, 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(103, 173, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 173, 197) }
```

Border

The CSS property to change the border of an element to XYZ 30.6151, 36.8019, 58.3132 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(103, 173, 197) }
```


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

```
.border{ border-color:rgb(103, 173, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 173, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 173, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 173, 197);  
box-shadow:4px 4px 4px 4px rgb(103, 173,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6151, 36.8019, 58.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 173, 197) }
```

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

```
.background{ background-color: rgb(103,  
173, 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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