

Converting Colors

XYZ(31.2059, 38.2873, 57.7477)

Have a look what the booklet for
XYZ(31.2059, 38.2873, 57.7477)
contains.

XYZ(31.2795, 38.3134, 57.9712)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.2795, 38.3134,
57.9712)**

Conversions

Conversions Part 1

Format	Color
Hex	67B1C4
RGB	103, 177, 196
RGB Percent	40%, 69%, 77%
CMY	0.5961, 0.3059, 0.2314
CMYK	0.47, 0.10, 0.00, 0.23
HSL	192°, 44%, 59%
HSV	192°, 47%, 77%
XYZ	31.2795, 38.3134, 57.9712
YIQ	157.0400, -50.2030, -9.7790

Conversions

Conversions Part 2

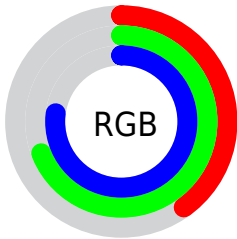
Format	Color
RYB	103, 144, 196
Decimal	6795716
CIELab	68.25, -17.95, -16.84
CIELCh	68, 24.609, 223.178
Yxy	38.3134, 0.2452, 0.3003
Android (android.graphics.Color)	4284985796 (0xFF67B1C4)
YUV	157.0400, 19.2073, -47.3931
Hunter-Lab	61.8978, -18.1178, -12.2003

Details

The XYZ color **31.2795, 38.3134, 57.9712** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.1735, 26.6350, 16.2784**, and the grayscale version is **31.9994, 33.6659, 36.6621**.

A 20% lighter version of the original color is **61.1666, 72.7406, 103.7450**, and **13.1723, 16.9262, 28.1640** is the 20% darker color. If you saturate the color by 10%, you get **28.5104, 35.7297, 57.6191**, and if you desaturate by 10%, it is **34.6012, 41.2180, 58.3575**.

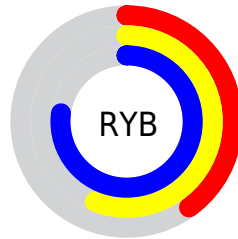
Distribution



Red (40%)

Green (69%)

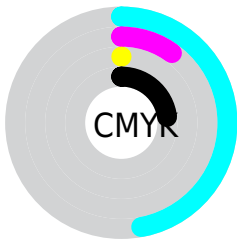
Blue (77%)



Red (40%)

Yellow (56%)

Blue (77%)

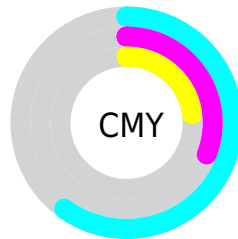


Cyan (47%)

Magenta (10%)

Yellow (0%)

Black (23%)



Cyan (60%)

Magenta (31%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2795, 38.3134, 57.9712 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 31.2795, 38.3134, 57.9712 by changing the saturation by 10% instead.

■ 31.2795, 38.3134,
57.9712

■ 31.2795, 38.3134,
57.9712

■ 299.6279,
338.9625, 434.6739

■ 20.9646, 26.2260,
41.3709

■ 61.0527, 72.5882,
103.3953

■ 13.2105, 16.9928,
28.2872

■ 81.2418, 95.5445,
133.0562

■ 7.6516, 10.2294,
18.3013

■ 105.4529,
122.8925, 167.9077

■ 3.9228, 5.5513,
10.9949

■ 134.0516,
155.0166, 208.3685

■ 1.6585, 2.5742,
5.9493

■ 167.4030,
192.3013, 254.8569

■ 0.4301, 0.9137,
2.7460

■ 205.8726,

■ 0.0000, 0.0000,

235.1309, 307.7916

0.9664

249.8258,
283.8898, 367.5911

■ 0.0000, 0.0000,
0.0000

■ 31.2795, 38.3134,
57.9712

■ 31.2795, 38.3134,
57.9712

■ 28.5104, 35.7297,
57.6191

■ 34.6012, 41.2180,
58.3575

■ 26.2526, 33.4430,
57.2968

■ 38.5057, 44.4571,
58.7769

■ 24.4649, 31.4325,
57.0029

■ 43.0255, 48.0483,
59.2318

■ 23.0977, 29.6723,
56.7352

■ 48.1893, 52.0068,
59.7237

■ 22.0806, 28.1259,
56.4903

■ 54.0242, 56.3469,
60.2539

■ 21.8458, 27.7492,
56.4300

■ 60.5557, 61.0819,
60.8236

■ 67.8077, 66.2245,
61.4340

■ 74.0132, 70.8640,
62.0025

■ 75.0082, 72.8541,
62.3341

Harmonies

Analogous

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



29.6727, 38.3134, 46.7392



31.2795, 38.3134, 57.9712



34.3150, 38.3134, 65.4803

Triad

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



31.2795, 38.3134, 57.9712



43.9716, 38.3134, 48.1585



34.7540, 38.3134, 24.2911

Complementary

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



31.2795, 38.3134, 57.9712



32.1735, 26.6350, 16.2784

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.



38.6005, 38.3134, 24.5353



31.2795, 38.3134, 57.9712



44.1100, 38.3134, 37.0677

Square

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



31.2795, 38.3134, 57.9712



41.7199, 38.3134, 59.1668



42.0855, 38.3134, 28.8259



31.5813, 38.3134, 28.0870

Rectangle

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



31.2795, 38.3134, 57.9712



36.8276, 38.3134, 66.6689



42.0855, 38.3134, 28.8259



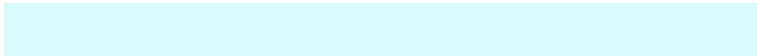
36.0069, 38.3134, 23.9263

Sweetspot

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



31.2807, 38.3149, 57.9721



80.8311, 89.2814, 107.5805



28.8226, 43.7596, 25.2112



16.8784, 18.7826, 22.9858



0.0000, 0.0000, 0.0000



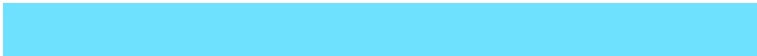
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2807, 38.3149, 57.9721



51.4451, 64.5290, 104.3516



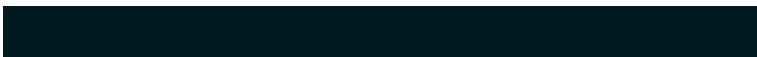
23.6613, 23.0761, 55.4323



10.1882, 11.0677, 12.8841



14.0993, 17.9552, 36.2792



0.6544, 0.8663, 1.5826

Inverse Universe

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



35.5521, 24.6117, 44.4733



60.4107, 37.7895, 75.5638



39.2352, 40.7583, 18.6323



10.4063, 10.2111, 12.2300



18.5127, 9.0948, 21.1436



0.8227, 0.4021, 1.0338

Previews

White Background



This preview shows how the XYZ color 31.2795, 38.3134, 57.9712 looks on a white background.

Color Contrast Check

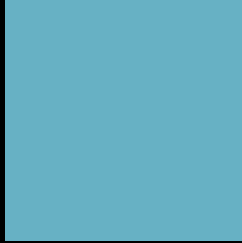
Large Text (above 18pt) WCAG AA × Fail

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 31.2795, 38.3134, 57.9712 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

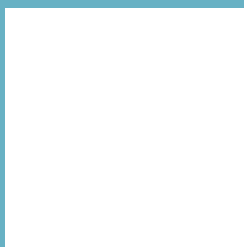
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2795, 38.3134, 57.9712

Background



This preview shows how black text looks on a background with the XYZ color 31.2795, 38.3134, 57.9712.



This preview shows how white text looks on a background with the XYZ color 31.2795, 38.3134,

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

31.2795, 38.3134, 57.9712

Protanopia

37.2529, 37.8631, 52.9218

Deuteranopia

38.7462, 37.9635, 59.3184



Tritanopia

30.9143, 38.4713, 55.6655

Trichromacy



Original Color

31.2795, 38.3134, 57.9712

Protanomaly

34.5764, 37.8002, 54.7640

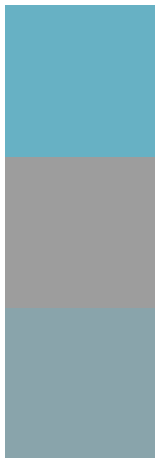
Deuteranomaly

35.1671, 37.4654, 58.8041

Tritanomaly

31.0255, 38.5158, 56.2512

Monochromacy



Original Color

31.2795, 38.3134, 57.9712

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.9427, 34.8096, 43.6161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2795, 38.3134, 57.9712 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, 177, 196)` looks like.

```
.text, #text, p{  
    color:rgb(103, 177, 196)  
}
```

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, 177, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 177, 196) }
```

Border

The CSS property to change the border of an element to XYZ 31.2795, 38.3134, 57.9712 is called "border". The border property can be set on classes, ids or directly on the HTML element.

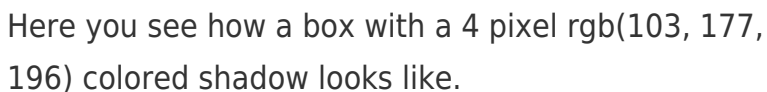
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 177, 196) }
```


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

```
.border{ border-color:rgb(103, 177, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 177, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 177, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 177, 196);  
box-shadow:4px 4px 4px 4px rgb(103, 177,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2795, 38.3134, 57.9712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 177, 196) }
```

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

```
.background{ background-color: rgb(103,  
177, 196) }
```

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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