

Converting Colors

XYZ(31.2558, 42.4620, 57.6657)

Have a look what the booklet for
XYZ(31.2558, 42.4620, 57.6657)
contains.

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Color

**XYZ(31.1316, 42.2585,
57.5548)**

Conversions

Conversions Part 1

Format	Color
Hex	4CBEC2
RGB	76, 190, 194
RGB Percent	30%, 75%, 76%
CMY	0.7019, 0.2549, 0.2392
CMYK	0.61, 0.02, 0.00, 0.24
HSL	182°, 49%, 53%
HSV	182°, 61%, 76%
XYZ	31.1316, 42.2585, 57.5548
YIQ	156.3700, -69.2280, -22.9240

Conversions

Conversions Part 2

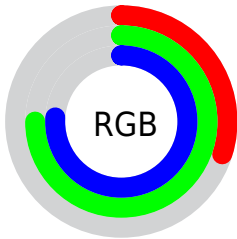
Format	Color
RYB	76, 134, 194
Decimal	5029570
CIELab	71.05, -30.55, -11.63
CIELCh	71, 32.688, 200.835
Yxy	42.2585, 0.2377, 0.3227
Android (android.graphics.Color)	4283219650 (0xFF4CBEC2)
YUV	156.3700, 18.5516, -70.4845
Hunter-Lab	65.0065, -28.2779, -6.9890

Details

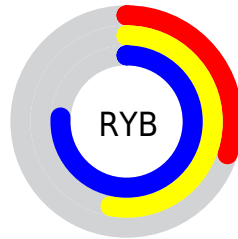
The XYZ color **31.1316, 42.2585, 57.5548** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **26.4222, 17.7294, 8.8682**, and the grayscale version is **31.7084, 33.3597, 36.3288**.

A 20% lighter version of the original color is **60.8326, 78.7420, 102.4350**, and **13.5378, 19.5018, 27.8616** is the 20% darker color. If you saturate the color by 10%, you get **29.6748, 41.2975, 57.4469**, and if you desaturate by 10%, it is **33.0563, 43.4635, 57.6867**.

Distribution



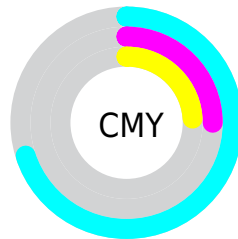
- Red (30%)
- Green (75%)
- Blue (76%)



- Red (30%)
- Yellow (53%)
- Blue (76%)



- Cyan (61%)
- Magenta (2%)
- Yellow (0%)
- Black (24%)



- Cyan (70%)
- Magenta (25%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1316, 42.2585, 57.5548 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 31.1316, 42.2585, 57.5548 by changing the saturation by 10% instead.

■ 31.1316, 42.2585,
57.5548

■ 31.1316, 42.2585,
57.5548

298.9602,
355.5534, 433.0768

■ 20.8514, 29.3038,
41.0385

■ 60.8216, 78.5907,
102.7826

■ 13.1273, 19.3107,
28.0292

■ 80.9622, 102.7370,
132.3312

■ 7.5938, 11.8950,
18.1085

■ 105.1202,
131.3825, 167.0610

■ 3.8858, 6.6722,
10.8576

■ 133.6611,
164.9117, 207.3906

■ 1.6377, 3.2580,
5.8582

166.9502,
203.7090, 253.7384

■ 0.4168, 1.2679,
2.6917

205.3528,

■ 0.0000, 0.1161,

248.1588, 306.5230

0.9392

249.2344,
298.6455, 366.1630

■ 0.0000, 0.0000,
0.0000

■ 31.1316, 42.2585,
57.5548

■ 31.1316, 42.2585,
57.5548

■ 29.6748, 41.2975,
57.4469

■ 33.0563, 43.4635,
57.6867

■ 28.6387, 40.5535,
57.3579

■ 35.4828, 44.9272,
57.8413

■ 27.9734, 40.0015,
57.2864

■ 38.4465, 46.6688,
58.0213

■ 27.5989, 39.6174,
57.2320

■ 41.9783, 48.7043,
58.2280

■ 46.1070, 51.0484,
58.4629

■ 50.8593, 53.7149,
58.7271

■ 56.2603, 56.7168,
59.0219

■ 62.3337, 60.0663,
59.3483

■ 69.1020, 63.7750,
59.7074

Harmonies

Analogous

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



30.6678, 42.2585, 41.3878



31.1316, 42.2585, 57.5548



33.8938, 42.2585, 73.4791

Triad

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



31.1316, 42.2585, 57.5548



48.8664, 42.2585, 67.7309



41.8608, 42.2585, 22.2566

Complementary

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



31.1316, 42.2585, 57.5548



26.4222, 17.7294, 8.8682

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.



47.1666, 42.2585, 26.4176



31.1316, 42.2585, 57.5548



51.4457, 42.2585, 50.9691

Square

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



31.1316, 42.2585, 57.5548



44.0159, 42.2585, 80.2177



50.7969, 42.2585, 36.1264



36.5463, 42.2585, 23.2458

Rectangle

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



31.1316, 42.2585, 57.5548



36.8168, 42.2585, 80.6524



50.7969, 42.2585, 36.1264



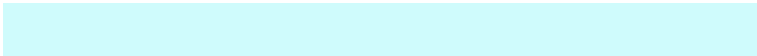
43.7112, 42.2585, 23.0563

Sweetspot

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



31.1329, 42.2601, 57.5558



77.8459, 89.2618, 105.5961



23.7188, 40.6992, 14.1834



16.5897, 19.2861, 23.0982



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.



31.1329, 42.2601, 57.5558



53.0556, 74.3282, 104.0202



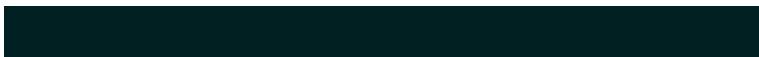
20.8446, 21.6835, 54.1264



10.3383, 11.3680, 12.9342



18.1579, 26.0723, 37.6321



0.7939, 1.1451, 1.6291

Inverse Universe

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



34.1280, 20.3571, 50.8475



59.0511, 31.5998, 90.3413



32.7767, 30.4384, 10.9864



10.4821, 10.2414, 12.6292



20.5613, 9.9143, 31.9313



0.8931, 0.4302, 1.4044

Previews

White Background



This preview shows how the XYZ color 31.1316, 42.2585, 57.5548 looks on a white background.

Color Contrast Check

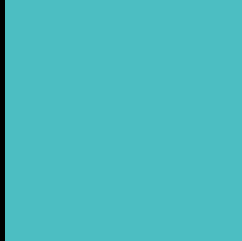
Large Text (above 18pt) WCAG AA × Fail

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 31.1316, 42.2585, 57.5548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

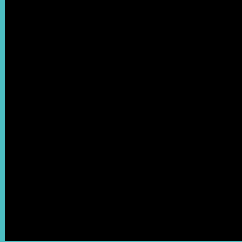
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1316, 42.2585, 57.5548

Background



This preview shows how black text looks on a background with the XYZ color 31.1316, 42.2585, 57.5548.

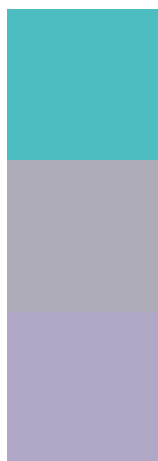


This preview shows how white text looks on a background with the XYZ color 31.1316, 42.2585,

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

31.1316, 42.2585, 57.5548

Protanopia

40.5333, 41.8082, 50.7332

Deuteranopia

42.4429, 41.4759, 59.8015



Tritanopia

32.1906, 42.0315, 63.5430

Trichromacy



Original Color

31.1316, 42.2585, 57.5548



Protanomaly

35.5710, 41.2313, 53.0974



Deuteranomaly

36.4186, 40.6573, 58.7515



Tritanomaly

31.8474, 42.2276, 61.1158

Monochromacy



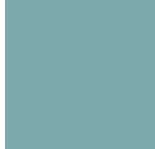
Original Color

31.1316, 42.2585, 57.5548



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

30.0107, 35.4196, 43.2851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1316, 42.2585, 57.5548 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(76, 190, 194)` looks like.

```
.text, #text, p{  
    color:rgb(76, 190, 194)  
}
```

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(76, 190, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 190, 194) }
```

Border

The CSS property to change the border of an element to XYZ 31.1316, 42.2585, 57.5548 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(76, 190, 194) }
```


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

```
.border{ border-color:rgb(76, 190, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 190, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 190, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 190, 194);  
box-shadow:4px 4px 4px 4px rgb(76, 190,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1316, 42.2585, 57.5548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 190, 194) }
```

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

```
.background{ background-color: rgb(76, 190,  
194) }
```

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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