

Converting Colors

XYZ(31.1809, 41.7135, 65.5502)

Have a look what the booklet for
XYZ(31.1809, 41.7135, 65.5502)
contains.

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Color

**XYZ(31.2050, 41.7997,
65.4550)**

Conversions

Conversions Part 1

Format	Color
Hex	3ABDCF
RGB	58, 189, 207
RGB Percent	23%, 74%, 81%
CMY	0.7725, 0.2588, 0.1882
CMYK	0.72, 0.09, 0.00, 0.19
HSL	187°, 61%, 52%
HSV	187°, 72%, 81%
XYZ	31.2050, 41.7997, 65.4550
YIQ	151.8830, -83.8540, -22.1740

Conversions

Conversions Part 2

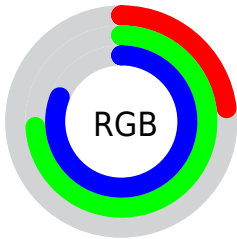
Format	Color
RYB	58, 128, 207
Decimal	3849679
CIELab	70.73, -28.92, -19.26
CIELCh	71, 34.741, 213.659
Yxy	41.7997, 0.2254, 0.3019
Android (android.graphics.Color)	4282039759 (0xFF3ABDCF)
YUV	151.8830, 27.1727, -82.3354
Hunter-Lab	64.6527, -26.9881, -14.7689




Details

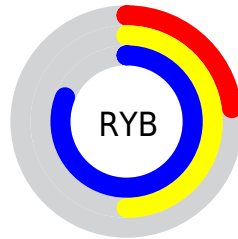
The XYZ color **31.2050, 41.7997, 65.4550** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **29.0815, 18.7413, 6.0890**, and the grayscale version is **29.7088, 31.2560, 34.0377**.




A 20% lighter version of the original color is **59.6100, 77.5672, 106.4379**, and **14.4137, 19.6279, 33.1659** is the 20% darker color. If you saturate the color by 10%, you get **29.7016, 40.2338, 65.2328**, and if you desaturate by 10%, it is **33.2038, 43.6364, 65.7050**.

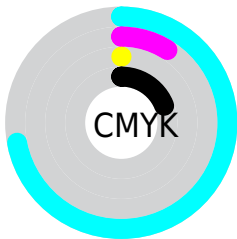
Distribution







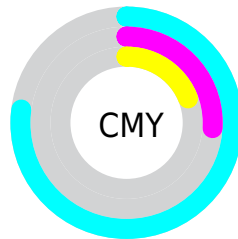
-  Red (23%)
-  Green (74%)
-  Blue (81%)






-  Red (23%)
-  Yellow (50%)
-  Blue (81%)



-  Cyan (72%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (19%)



-  Cyan (77%)
-  Magenta (26%)
-  Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2050, 41.7997, 65.4550 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 31.2050, 41.7997, 65.4550 by changing the saturation by 10% instead.

31.2050, 41.7997,
65.4550

31.2050, 41.7997,
65.4550

299.2917,
353.6519, 462.7761

20.9076, 28.9445,
47.3764

60.9363, 77.8964,
114.3233

13.1685, 19.0388,
32.9769

81.1010, 101.9067,
145.9501

7.6225, 11.6983,
21.8378

105.2854,
130.4041, 182.9300

3.9041, 6.5386,
13.5406

133.8549,
163.7730, 225.6817

1.6480, 3.1753,
7.6667

167.1750,
202.3978, 274.6236

0.4234, 1.2239,
3.7977

205.6109,

0.0000, 0.0811,

246.6630, 330.1743

1.5151

249.5280,
296.9529, 392.7523

■ 0.0000, 0.0000,
0.2291

■ 0.0000, 0.0000,
0.0000

■ 31.2050, 41.7997,
65.4550

■ 31.2050, 41.7997,
65.4550

■ 29.7016, 40.2338,
65.2328

■ 33.2038, 43.6364,
65.7050

■ 28.6277, 38.9022,
65.0324

■ 35.7458, 45.7662,
65.9821

■ 27.9895, 37.9588,
64.8839

■ 38.8776, 48.2139,
66.2895

■ 42.6396, 51.0004,
66.6290

■ 47.0685, 54.1448,
67.0025

■ 52.1983, 57.6647,
67.4116

■ 58.0606, 61.5763,
67.8576

■ 64.6851, 65.8950,
68.3421

■ 72.0998, 70.6355,
68.8663

Harmonies

Analogous

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



29.6694, 41.7997, 47.5674



31.2050, 41.7997, 65.4550



35.0147, 41.7997, 80.2692

Triad

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



31.2050, 41.7997, 65.4550



50.5049, 41.7997, 61.0883



39.0267, 41.7997, 20.6289

Complementary

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



31.2050, 41.7997, 65.4550



29.0815, 18.7413, 6.0890

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.



44.8493, 41.7997, 22.5934



31.2050, 41.7997, 65.4550



51.8395, 41.7997, 43.5182

Square

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



31.2050, 41.7997, 65.4550



46.1898, 41.7997, 77.3501



49.6799, 41.7997, 30.0982



33.9013, 41.7997, 23.8865

Rectangle

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



31.2050, 41.7997, 65.4550



38.5186, 41.7997, 84.8792



49.6799, 41.7997, 30.0982



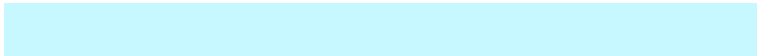
40.9652, 41.7997, 20.7053

Sweetspot

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



31.2063, 41.8012, 65.4560



75.2126, 86.6204, 107.3630



25.3421, 46.0395, 14.2781



15.6601, 18.2327, 22.9438



0.0000, 0.0000, 0.0000



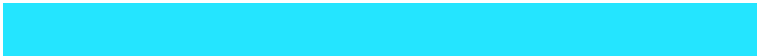
20.3446, 21.4041, 23.3091

Same Dimension

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



31.2063, 41.8012, 65.4560



46.6504, 63.3563, 104.3780



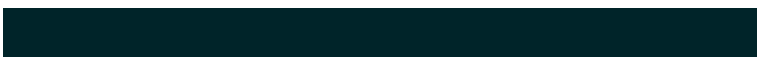
19.1530, 17.6945, 61.4382



12.0314, 13.1531, 15.1483



17.6809, 24.0084, 40.8947



1.0237, 1.4127, 2.2983

Inverse Universe

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



36.4316, 19.9670, 50.0795



55.9361, 28.1334, 76.2511



37.3849, 35.3481, 8.8568



12.2468, 11.9834, 14.5752



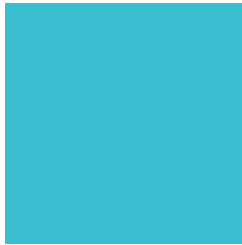
21.5552, 10.4949, 28.8937



1.2230, 0.5939, 1.7089

Previews

White Background



This preview shows how the XYZ color 31.2050, 41.7997, 65.4550 looks on a white background.

Color Contrast Check

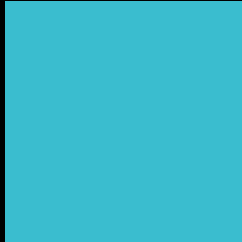
Large Text (above 18pt) WCAG AA × Fail

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 31.2050, 41.7997, 65.4550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

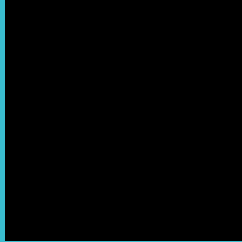
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2050, 41.7997, 65.4550

Background



This preview shows how black text looks on a background with the XYZ color 31.2050, 41.7997, 65.4550.



This preview shows how white text looks on a background with the XYZ color 31.2050, 41.7997,

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

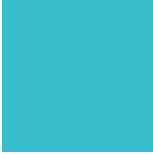
31.2050, 41.7997, 65.4550

Protanopia

40.3735, 41.0144, 57.4184

Deuteranopia

42.0347, 41.0836, 68.0018



Tritanopia

30.8479, 41.6437, 64.1698

Trichromacy



Original Color

31.2050, 41.7997, 65.4550

Protanomaly

34.9330, 40.1570, 59.9427

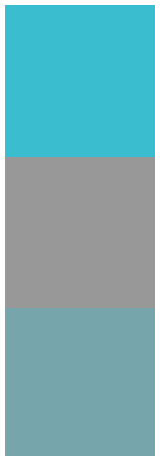
Deuteranomaly

36.0603, 40.2930, 66.8495

Tritanomaly

31.0255, 41.7213, 64.8103

Monochromacy



Original Color

31.2050, 41.7997, 65.4550

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.3727, 33.7404, 44.0469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2050, 41.7997, 65.4550 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(58, 189, 207)` looks like.

```
.text, #text, p{  
    color:rgb(58, 189, 207)  
}
```

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(58, 189, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 189, 207) }
```

Border

The CSS property to change the border of an element to XYZ 31.2050, 41.7997, 65.4550 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(58, 189, 207) }
```


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

```
.border{ border-color:rgb(58, 189, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 189, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 189, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 189, 207);  
box-shadow:4px 4px 4px 4px rgb(58, 189,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2050, 41.7997, 65.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 189, 207) }
```

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

```
.background{ background-color: rgb(58, 189,  
207) }
```

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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