

Converting Colors

XYZ(31.5509, 42.0200, 63.5745)

Have a look what the booklet for
XYZ(31.5509, 42.0200, 63.5745)
contains.

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Color

**XYZ(31.5509, 42.0200,
63.5745)**

Conversions

Conversions Part 1

Format	Color
Hex	45BDCC
RGB	69, 189, 204
RGB Percent	27%, 74%, 80%
CMY	0.7294, 0.2588, 0.2000
CMYK	0.66, 0.07, 0.00, 0.20
HSL	187°, 57%, 54%
HSV	187°, 66%, 80%
XYZ	31.5509, 42.0200, 63.5745
YIQ	154.8300, -76.3350, -20.7750

Conversions

Conversions Part 2

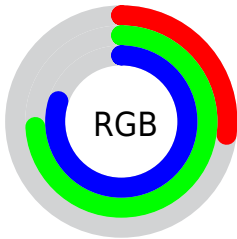
Format	Color
RYB	69, 133, 204
Decimal	4570572
CIELab	70.88, -28.30, -17.36
CIELCh	71, 33.203, 211.525
Yxy	42.0200, 0.2301, 0.3064
Android (android.graphics.Color)	4282760652 (0xFF45BDCC)
YUV	154.8300, 24.2408, -75.2729
Hunter-Lab	64.8228, -26.5595, -12.7722

Details

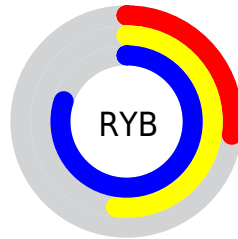
The XYZ color **31.5509, 42.0200, 63.5745** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **29.1474, 19.6089, 7.8801**, and the grayscale version is **31.0025, 32.6170, 35.5200**.

A 20% lighter version of the original color is **60.6786, 78.1181, 106.4879**, and **14.1690, 19.5300, 31.8770** is the 20% darker color. If you saturate the color by 10%, you get **29.8614, 40.4318, 63.3578**, and if you desaturate by 10%, it is **33.7479, 43.8830, 63.8191**.

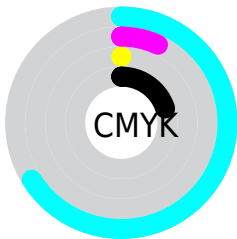
Distribution



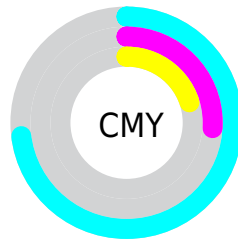
- Red (27%)
- Green (74%)
- Blue (80%)



- Red (27%)
- Yellow (52%)
- Blue (80%)



- Cyan (66%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (73%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5509, 42.0200, 63.5745 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 31.5509, 42.0200, 63.5745 by changing the saturation by 10% instead.

■ 31.5509, 42.0200,
63.5745

■ 31.5509, 42.0200,
63.5745

300.8501,
354.5658, 455.8167

■ 21.1726, 29.1170,
45.8622

■ 61.4763, 78.2299,
111.5915

■ 13.3634, 19.1693,
31.7892

■ 81.7542, 102.3055,
142.7332

■ 7.7580, 11.7927,
20.9370

■ 106.0625,
130.8741, 179.1885

■ 3.9910, 6.6027,
12.8872

■ 134.7668,
164.3201, 221.3758

■ 1.6970, 3.2149,
7.2211

168.2324,
203.0279, 269.7137

■ 0.4544, 1.2449,
3.5202

206.8245,

■ 0.0000, 0.0979,

247.3819, 324.6208

1.3660

250.9087,
297.7664, 386.5156

■ 0.0000, 0.0000,
0.1150

■ 0.0000, 0.0000,
0.0000

■ 31.5509, 42.0200,
63.5745

■ 31.5509, 42.0200,
63.5745

■ 29.8614, 40.4318,
63.3578

■ 33.7479, 43.8830,
63.8191

■ 28.6220, 39.0859,
63.1633

■ 36.4944, 46.0397,
64.0906

■ 27.7665, 37.9492,
62.9890

■ 39.8325, 48.5128,
64.3920

■ 27.4914, 37.5441,
62.9253

■ 43.7990, 51.3213,
64.7251

■ 48.4277, 54.4827,
65.0913

■ 53.7501, 58.0133,
65.4923

■ 59.7954, 61.9281,
65.9293

■ 66.5913, 66.2417,
66.4037

■ 74.1642, 70.9673,
66.9167

Harmonies

Analogous

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



30.2331, 42.0200, 46.5671



31.5509, 42.0200, 63.5745



35.0852, 42.0200, 78.0436

Triad

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



31.5509, 42.0200, 63.5745



50.0230, 42.0200, 61.8442



39.6567, 42.0200, 21.5814

Complementary

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



31.5509, 42.0200, 63.5745



29.1474, 19.6089, 7.8801

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.



45.2205, 42.0200, 23.8822



31.5509, 42.0200, 63.5745



51.5266, 42.0200, 44.9477

Square

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



31.5509, 42.0200, 63.5745



45.7545, 42.0200, 76.8934



49.6952, 42.0200, 31.6178



34.6379, 42.0200, 24.4110

Rectangle

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



31.5509, 42.0200, 63.5745



38.3936, 42.0200, 82.9217



49.6952, 42.0200, 31.6178



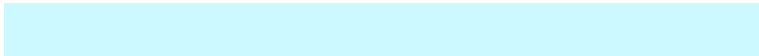
41.5248, 42.0200, 21.7767

Sweetspot

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



31.5522, 42.0216, 63.5755



76.9307, 88.0152, 107.5417



25.5903, 45.0688, 15.4346



16.0028, 18.5217, 22.9816



0.0000, 0.0000, 0.0000



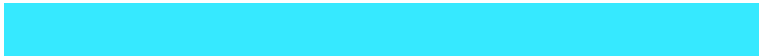
20.3446, 21.4041, 23.3091

Same Dimension

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



31.5522, 42.0216, 63.5755



48.5781, 66.0536, 104.7970



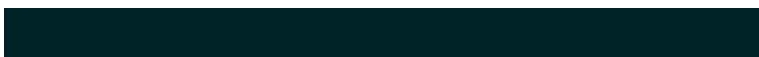
20.4376, 19.7924, 59.8706



11.4327, 12.5058, 14.3817



17.3458, 23.7156, 39.6196



0.9259, 1.2856, 2.0543

Inverse Universe

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



36.2164, 20.7690, 50.2457



57.1918, 29.7180, 79.5267



36.8836, 35.0812, 10.4589



11.6318, 11.3814, 13.8615



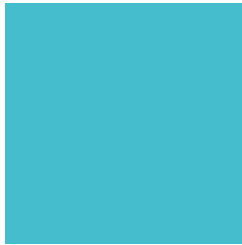
20.9663, 10.1971, 28.6047



1.0973, 0.5323, 1.5583

Previews

White Background



This preview shows how the XYZ color 31.5509, 42.0200, 63.5745 looks on a white background.

Color Contrast Check

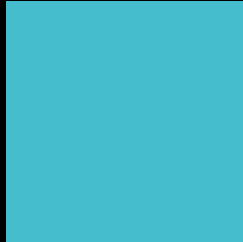
Large Text (above 18pt) WCAG AA × Fail

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 31.5509, 42.0200, 63.5745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

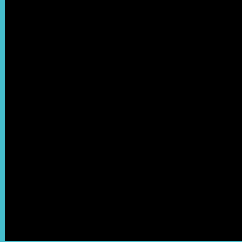
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5509, 42.0200, 63.5745

Background



This preview shows how black text looks on a background with the XYZ color 31.5509, 42.0200, 63.5745.



This preview shows how white text looks on a background with the XYZ color 31.5509, 42.0200,

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

31.5509, 42.0200, 63.5745

Protanopia

40.4395, 41.3666, 55.7223

Deuteranopia

42.3058, 41.2666, 66.0571



Tritanopia

31.5509, 42.0200, 63.5745

Trichromacy



Original Color

31.5509, 42.0200, 63.5745



Protanomaly

35.5571, 40.8129, 58.2282



Deuteranomaly

36.6193, 40.6240, 64.9427



Tritanomaly

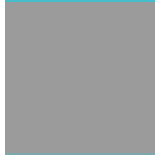
31.5509, 42.0200, 63.5745

Monochromacy



Original Color

31.5509, 42.0200, 63.5745



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.6737, 34.9396, 44.7152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5509, 42.0200, 63.5745 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(69, 189, 204)` looks like.

```
.text, #text, p{  
    color:rgb(69, 189, 204)  
}
```

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(69, 189, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 189, 204) }
```

Border

The CSS property to change the border of an element to XYZ 31.5509, 42.0200, 63.5745 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(69, 189, 204) }
```


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

```
.border{ border-color:rgb(69, 189, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 189, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 189, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 189, 204);  
box-shadow:4px 4px 4px 4px rgb(69, 189,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5509, 42.0200, 63.5745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 189, 204) }
```

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

```
.background{ background-color: rgb(69, 189,  
204) }
```

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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