

Converting Colors

XYZ(32.0122, 42.9988, 65.7790)

Have a look what the booklet for
XYZ(32.0122, 42.9988, 65.7790)
contains.

XYZ(31.8799, 42.7907, 65.6107)	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(31.8799, 42.7907,
65.6107)**

Conversions

Conversions Part 1

Format	Color
Hex	3EBFCF
RGB	62, 191, 207
RGB Percent	24%, 75%, 81%
CMY	0.7568, 0.2510, 0.1882
CMYK	0.70, 0.08, 0.00, 0.19
HSL	187°, 60%, 53%
HSV	187°, 70%, 81%
XYZ	31.8799, 42.7907, 65.6107
YIQ	154.2530, -82.0200, -22.3720

Conversions

Conversions Part 2

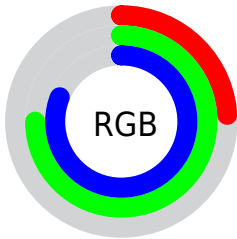
Format	Color
R _{YB}	62, 130, 207
Decimal	4112335
CIE _{Lab}	71.41, -29.38, -18.22
CIE _{LCh}	71, 34.568, 211.801
Yxy	42.7907, 0.2273, 0.3050
Android (android.graphics.Color)	4282302415 (0xFF3EBFCF)
YUV	154.2530, 26.0043, -80.9059
Hunter-Lab	65.4146, -27.4833, -13.6775

Details

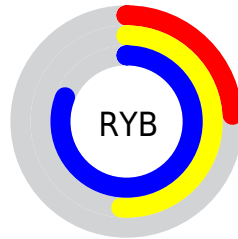
The XYZ color **31.8799, 42.7907, 65.6107** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **29.3272, 19.0634, 6.6927**, and the grayscale version is **30.7431, 32.3442, 35.2228**.

A 20% lighter version of the original color is **60.5195, 78.9440, 106.6557**, and **14.6954, 20.1912, 33.2598** is the 20% darker color. If you saturate the color by 10%, you get **30.3266, 41.2571, 65.3974**, and if you desaturate by 10%, it is **33.9378, 44.5977, 65.8518**.

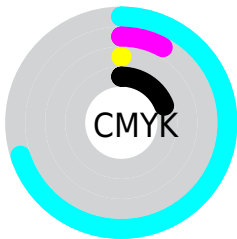
Distribution



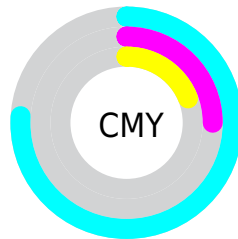
- Red (24%)
- Green (75%)
- Blue (81%)



- Red (24%)
- Yellow (51%)
- Blue (81%)



- Cyan (70%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (76%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8799, 42.7907, 65.6107 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 31.8799, 42.7907, 65.6107 by changing the saturation by 10% instead.

31.8799, 42.7907,
65.6107

31.8799, 42.7907,
65.6107

302.3268,
357.7503, 463.3495

21.4249, 29.7209,
47.5020

61.9892, 79.3949,
114.5491

13.5492, 19.6269,
33.0755

82.3743, 103.6982,
146.2158

7.8874, 12.1241,
21.9127

106.8000,
132.5147, 183.2389

4.0742, 6.8283,
13.5950

135.6318,
166.2289, 226.0370

1.7442, 3.3549,
7.7040

169.2350,
205.2252, 275.0285

0.4837, 1.3197,
3.8211

207.9750,

0.0000, 0.1564,

249.8879, 330.6321

1.5277

252.2172,
300.6015, 393.2662

■ 0.0000, 0.0000,
0.2385

■ 0.0000, 0.0000,
0.0000

■ 31.8799, 42.7907,
65.6107

■ 31.8799, 42.7907,
65.6107

■ 30.3266, 41.2571,
65.3974

■ 33.9378, 44.5977,
65.8518

■ 29.2143, 39.9614,
65.2059

■ 36.5466, 46.6995,
66.1200

■ 28.4365, 38.8527,
65.0329

■ 39.7517, 49.1202,
66.4183

■ 43.5928, 51.8805,
66.7487

■ 48.1060, 54.9991,
67.1127

■ 53.3248, 58.4932,
67.5121

■ 59.2805, 62.3790,
67.9482

■ 66.0022, 66.6716,
68.4225

■ 73.5178, 71.3854,
68.9363

Harmonies

Analogous

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



30.4771, 42.7907, 47.6066



31.8799, 42.7907, 65.6107



35.6075, 42.7907, 80.9429

Triad

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



31.8799, 42.7907, 65.6107



51.3562, 42.7907, 63.4426



40.3205, 42.7907, 21.3326

Complementary

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



31.8799, 42.7907, 65.6107



29.3272, 19.0634, 6.6927

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.



46.1937, 42.7907, 23.6637



31.8799, 42.7907, 65.6107



52.9175, 42.7907, 45.5915

Square

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



31.8799, 42.7907, 65.6107



46.8602, 42.7907, 79.4956



50.9463, 42.7907, 31.6570



35.0528, 42.7907, 24.3109

Rectangle

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



31.8799, 42.7907, 65.6107



39.0956, 42.7907, 86.0731



50.9463, 42.7907, 31.6570



42.2887, 42.7907, 21.5184

Sweetspot

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



31.8812, 42.7923, 65.6117



76.1624, 87.5077, 107.4842



25.6226, 46.1796, 14.4937



15.8535, 18.4229, 22.9704



0.0000, 0.0000, 0.0000



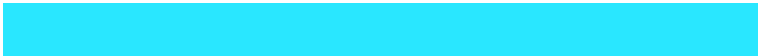
20.3446, 21.4041, 23.3091

Same Dimension

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



31.8812, 42.7923, 65.6117



47.6346, 65.0436, 104.6518



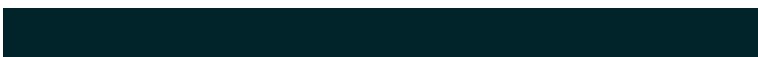
19.9671, 18.9640, 61.6403



12.0423, 13.1749, 15.1520



17.9591, 24.5648, 40.9874



1.0367, 1.4386, 2.3026

Inverse Universe

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



36.8599, 20.4736, 51.3008



56.5014, 28.6222, 78.4185



37.3504, 35.1098, 9.3671



12.2523, 11.9856, 14.6042



21.6957, 10.5511, 29.6332



1.2295, 0.5965, 1.7434

Previews

White Background



This preview shows how the XYZ color 31.8799, 42.7907, 65.6107 looks on a white background.

Color Contrast Check

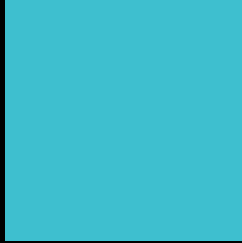
Large Text (above 18pt) WCAG AA × Fail

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 31.8799, 42.7907, 65.6107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

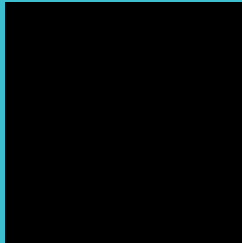
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8799, 42.7907, 65.6107

Background



This preview shows how black text looks on a background with the XYZ color 31.8799, 42.7907, 65.6107.



This preview shows how white text looks on a background with the XYZ color 31.8799, 42.7907,

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

31.8799, 42.7907, 65.6107

Protanopia

41.1804, 41.9912, 57.5644

Deuteranopia

43.0530, 42.1608, 68.1561



Tritanopia

31.8799, 42.7907, 65.6107

Trichromacy



Original Color

31.8799, 42.7907, 65.6107

Protanomaly

35.7890, 41.1890, 60.0968

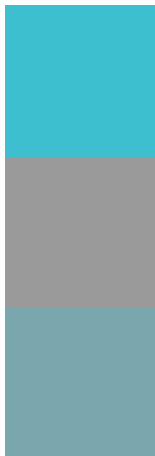
Deuteranomaly

36.9133, 41.3192, 67.0026

Tritanomaly

31.8799, 42.7907, 65.6107

Monochromacy



Original Color

31.8799, 42.7907, 65.6107

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.2467, 34.7195, 44.6952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8799, 42.7907, 65.6107 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(62, 191, 207)` looks like.

```
.text, #text, p{  
    color:rgb(62, 191, 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(62, 191, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 191, 207) }
```

Border

The CSS property to change the border of an element to XYZ 31.8799, 42.7907, 65.6107 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(62, 191, 207) }
```


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

```
.border{ border-color:rgb(62, 191, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 191, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 191, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 191, 207);  
box-shadow:4px 4px 4px 4px rgb(62, 191,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8799, 42.7907, 65.6107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 191, 207) }
```

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

```
.background{ background-color: rgb(62, 191,  
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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