

Converting Colors

XYZ(31.7964, 44.8403, 61.0120)

Have a look what the booklet for
XYZ(31.7964, 44.8403, 61.0120)
contains.

XYZ(31.7964, 44.8403, 61.0120)	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(31.7964, 44.8403,
61.0120)**

Conversions

Conversions Part 1

Format	Color
Hex	36C5C7
RGB	54, 197, 199
RGB Percent	21%, 77%, 78%
CMY	0.7882, 0.2274, 0.2196
CMYK	0.73, 0.01, 0.00, 0.22
HSL	181°, 57%, 50%
HSV	181°, 73%, 78%
XYZ	31.7964, 44.8403, 61.0120
YIQ	154.4710, -85.8700, -29.6940

Conversions

Conversions Part 2

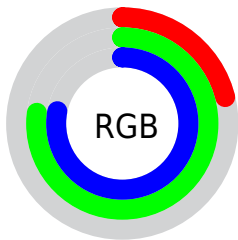
Format	Color
R _{YB}	54, 126, 199
Decimal	3589575
CIE Lab	72.79, -35.60, -11.80
CIE LCh	73, 37.511, 198.343
Yxy	44.8403, 0.2310, 0.3258
Android (android.graphics.Color)	4281779655 (0xFF36C5C7)
YUV	154.4710, 21.9528, -88.1131
Hunter-Lab	66.9629, -32.4268, -7.1469

Details

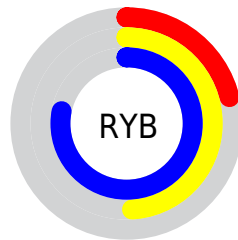
The XYZ color **31.7964, 44.8403, 61.0120** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.6342, 15.2379, 5.0815**, and the grayscale version is **30.8576, 32.4646, 35.3539**.

A 20% lighter version of the original color is **61.6602, 82.3146, 107.2462**, and **14.9333, 21.6893, 30.1874** is the 20% darker color. If you saturate the color by 10%, you get **30.8770, 44.2749, 60.9522**, and if you desaturate by 10%, it is **33.1554, 45.6344, 61.0945**.

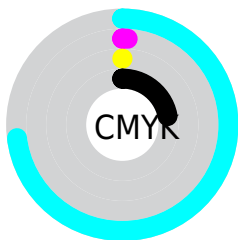
Distribution



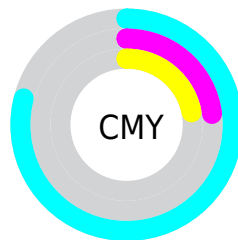
- Red (21%)
- Green (77%)
- Blue (78%)



- Red (21%)
- Yellow (49%)
- Blue (78%)



- Cyan (73%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)



- Cyan (79%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7964, 44.8403, 61.0120 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 31.7964, 44.8403, 61.0120 by changing the saturation by 10% instead.

■ 31.7964, 44.8403,
61.0120

■ 31.7964, 44.8403,
61.0120

301.9525,
366.1264, 446.2258

■ 21.3608, 31.3317,
43.8042

■ 61.8591, 82.4807,
107.8540

■ 13.5020, 20.8515,
30.1806

■ 82.2170, 107.3813,
138.3253

■ 7.8545, 13.0155,
19.7225

■ 106.6130,
136.8479, 174.0549

■ 4.0530, 7.4392,
12.0114

■ 135.4125,
171.2651, 215.4613

■ 1.7322, 3.7383,
6.6288

■ 168.9808,
211.0171, 262.9631

■ 0.4763, 1.5283,
3.1562

207.6834,

■ 0.0000, 0.3085,

256.4884, 316.9787

1.1749

251.8855,
308.0633, 377.9268

■ 0.0000, 0.0000,
0.0000

■ 31.7964, 44.8403,
61.0120

■ 31.7964, 44.8403,
61.0120

■ 30.8770, 44.2749,
60.9522

■ 33.1554, 45.6344,
61.0945

■ 30.3359, 43.9038,
60.9090

■ 34.9974, 46.6767,
61.1986

■ 30.1072, 43.7202,
60.8856

■ 37.3651, 47.9902,
61.3273

■ 40.2956, 49.5939,
61.4824

■ 43.8223, 51.5053,
61.6655

■ 47.9763, 53.7401,
61.8779

■ 52.7865, 56.3134,
62.1211

■ 58.2798, 59.2390,
62.3962

■ 64.4818, 62.5302,
62.7046

Harmonies

Analogous

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



31.4862, 44.8403, 41.9248



31.7964, 44.8403, 61.0120



34.8205, 44.8403, 80.8479

Triad

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



31.7964, 44.8403, 61.0120



52.6850, 44.8403, 76.7754



45.2020, 44.8403, 21.4336

Complementary

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



31.7964, 44.8403, 61.0120



25.6342, 15.2379, 5.0815

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.



51.5035, 44.8403, 26.6177



31.7964, 44.8403, 61.0120



56.1089, 44.8403, 56.4402

Square

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



31.7964, 44.8403, 61.0120



46.6862, 44.8403, 91.4288



55.6557, 44.8403, 38.3770



38.7958, 44.8403, 22.0655

Rectangle

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



31.7964, 44.8403, 61.0120



38.1597, 44.8403, 90.3545



55.6557, 44.8403, 38.3770



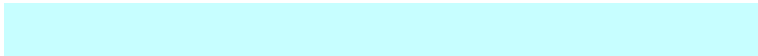
47.4136, 44.8403, 22.4862

Sweetspot

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



31.7978, 44.8420, 61.0131



77.0905, 90.3761, 107.9890



22.6117, 41.8985, 10.3868



16.1105, 19.1335, 23.0940



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.



31.7978, 44.8420, 61.0131



53.4743, 77.1304, 106.6770



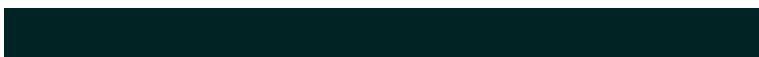
19.3566, 19.9596, 56.8660



10.9337, 12.0415, 13.6655



19.3650, 28.1240, 39.1522



0.9210, 1.3399, 1.8552

Inverse Universe

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



34.9516, 18.8130, 54.6142



59.3496, 29.3807, 94.5905



31.7454, 27.4602, 7.1185



11.0766, 10.8140, 13.3865



21.5739, 10.3791, 34.5617



1.0236, 0.4923, 1.6474

Previews

White Background



This preview shows how the XYZ color 31.7964, 44.8403, 61.0120 looks on a white background.

Color Contrast Check

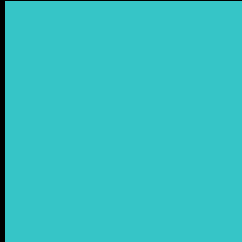
Large Text (above 18pt) WCAG AA × Fail

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 31.7964, 44.8403, 61.0120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

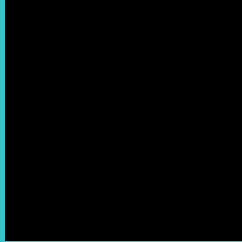
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

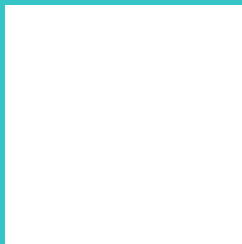
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7964, 44.8403, 61.0120

Background



This preview shows how black text looks on a background with the XYZ color 31.7964, 44.8403, 61.0120.



This preview shows how white text looks on a background with the XYZ color 31.7964, 44.8403,

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

31.7964, 44.8403, 61.0120

Protanopia

42.7484, 44.0608, 52.7059

Deuteranopia

45.1341, 44.1919, 63.2778



Tritanopia

33.2596, 44.7575, 68.5141

Trichromacy



Original Color

31.7964, 44.8403, 61.0120



Protanomaly

36.2173, 43.0291, 55.6868



Deuteranomaly

37.3803, 42.8711, 62.1819



Tritanomaly

32.8060, 44.9147, 65.9718

Monochromacy



Original Color

31.7964, 44.8403, 61.0120



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.1016, 35.5033, 43.3492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7964, 44.8403, 61.0120 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(54, 197, 199)` looks like.

```
.text, #text, p{  
    color:rgb(54, 197, 199)  
}
```

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(54, 197, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 197, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.7964, 44.8403, 61.0120 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(54, 197, 199) }
```


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

```
.border{ border-color:rgb(54, 197, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 197, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 197, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 197, 199);  
box-shadow:4px 4px 4px 4px rgb(54, 197,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7964, 44.8403, 61.0120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 197, 199) }
```

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

```
.background{ background-color: rgb(54, 197,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor