

Converting Colors

XYZ(31.6898, 45.9411, 64.3240)

Have a look what the booklet for
XYZ(31.6898, 45.9411, 64.3240)
contains.

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Color

**XYZ(31.7857, 46.1329,
64.3560)**

Conversions

Conversions Part 1

Format	Color
Hex	00C9CC
RGB	0, 201, 204
RGB Percent	0%, 79%, 80%
CMY	0.9998, 0.2118, 0.2000
CMYK	1.00, 0.01, 0.00, 0.20
HSL	181°, 100%, 40%
HSV	181°, 100%, 80%
XYZ	31.7857, 46.1329, 64.3560
YIQ	141.2430, -120.7590, -41.6790

Conversions

Conversions Part 2

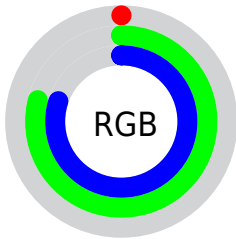
Format	Color
RYB	0, 101, 204
Decimal	51660
CIELab	73.63, -39.29, -13.31
CIELCh	74, 41.479, 198.712
Yxy	46.1329, 0.2234, 0.3243
Android (android.graphics.Color)	4278241740 (0xFF00C9CC)
YUV	141.2430, 30.9392, -123.8701
Hunter-Lab	67.9212, -35.3278, -8.6330

Details

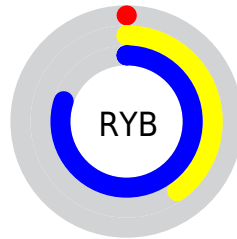
The XYZ color **31.7857, 46.1329, 64.3560** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.9355, 12.9037, 1.1777**, and the grayscale version is **25.3348, 26.6542, 29.0264**.

A 20% lighter version of the original color is **59.7539, 81.8042, 107.2482**, and **15.7839, 22.7598, 32.4153** is the 20% darker color. If you saturate the color by 10%, you get **31.7864, 46.1340, 64.3570**, and if you desaturate by 10%, it is **32.1542, 46.4277, 64.3943**.

Distribution



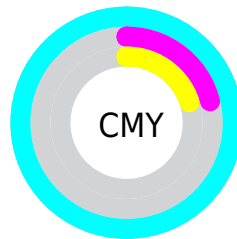
- Red (0%)
- Green (79%)
- Blue (80%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7857, 46.1329, 64.3560 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 31.7857, 46.1329, 64.3560 by changing the saturation by 10% instead.

31.7857, 46.1329,
64.3560

31.7857, 46.1329,
64.3560

301.9045,
371.3427, 458.7168

21.3526, 32.3507,
46.4910

61.8424, 84.4179,
112.7279

13.4959, 21.6295,
32.2820

82.1968, 109.6894,
144.0719

7.8503, 13.5849,
21.3104

106.5890,
139.5595, 180.7460

4.0503, 7.8325,
13.1576

135.3844,
174.4127, 223.1687

1.7306, 3.9880,
7.4052

168.9482,
214.6331, 271.7586

0.4753, 1.6668,
3.6345

207.6460,

0.0000, 0.4021,

260.6054, 326.9342

1.4271

251.8430,
312.7138, 389.1141

■ 0.0000, 0.0000,
0.1627

■ 0.0000, 0.0000,
0.0000

■ 31.7857, 46.1329,
64.3560

■ 31.7857, 46.1329,
64.3560

■ 31.7864, 46.1340,
64.3570

■ 32.1542, 46.4277,
64.3943

■ 32.8349, 46.8828,
64.4463

■ 33.9365, 47.5549,
64.5180

■ 35.5162, 48.4738,
64.6121

■ 37.6225, 49.6643,
64.7309

■ 40.2978, 51.1484,
64.8763

■ 43.5803, 52.9457,
65.0502

■ 47.5048, 55.0742,
65.2542

■ 52.1037, 57.5506,
65.4898

Harmonies

Analogous

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



31.4053, 46.1329, 42.7225



31.7857, 46.1329, 64.3560



35.1736, 46.1329, 87.1641

Triad

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



31.7857, 46.1329, 64.3560



55.3390, 46.1329, 81.9252



46.6709, 46.1329, 20.0908

Complementary

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



31.7857, 46.1329, 64.3560



24.9355, 12.9037, 1.1777

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.



53.8426, 46.1329, 25.5565



31.7857, 46.1329, 64.3560



59.2069, 46.1329, 58.5712

Square

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



31.7857, 46.1329, 64.3560



48.5365, 46.1329, 99.1038



58.6306, 46.1329, 38.3404



39.4714, 46.1329, 20.8356

Rectangle

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



31.7857, 46.1329, 64.3560



38.9178, 46.1329, 98.1287



58.6306, 46.1329, 38.3404



49.1778, 46.1329, 21.1834

Sweetspot

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



31.7871, 46.1346, 64.3571



71.9273, 87.5487, 107.7154



21.5940, 43.1868, 7.1990



14.8752, 18.4550, 23.0281



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.



31.7871, 46.1346, 64.3571



52.6257, 76.3713, 106.5752



15.6534, 13.8672, 58.9792



11.5286, 12.6976, 14.4136



20.0129, 29.0498, 40.5086



1.0371, 1.5079, 2.0913

Inverse Universe

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



35.4456, 17.0557, 56.6840



58.6922, 28.2409, 93.8320



29.6561, 22.3449, 2.7512



11.6802, 11.4008, 14.1164



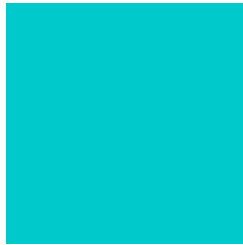
22.3125, 10.7356, 35.6938



1.1534, 0.5548, 1.8537

Previews

White Background



This preview shows how the XYZ color 31.7857, 46.1329, 64.3560 looks on a white background.

Color Contrast Check

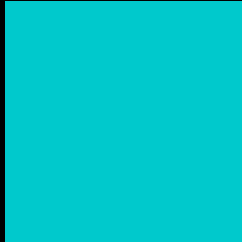
Large Text (above 18pt) WCAG AA × Fail

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 31.7857, 46.1329, 64.3560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

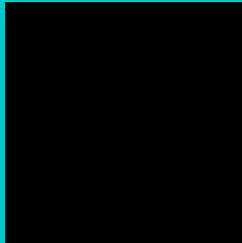
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

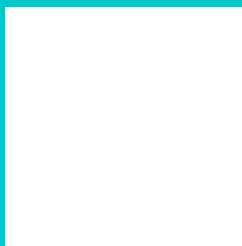
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7857, 46.1329, 64.3560

Background



This preview shows how black text looks on a background with the XYZ color 31.7857, 46.1329, 64.3560.



This preview shows how white text looks on a background with the XYZ color 31.7857, 46.1329,

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

31.7857, 46.1329, 64.3560

Protanopia

44.0370, 45.2618, 55.1306

Deuteranopia

46.2542, 45.2582, 67.2706



Tritanopia

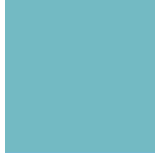
33.3164, 46.0765, 71.4277

Trichromacy



Original Color

31.7857, 46.1329, 64.3560



Protanomaly

34.4795, 42.7028, 58.0550



Deuteranomaly

35.7281, 42.5480, 66.0040



Tritanomaly

32.7214, 46.1711, 68.8153

Monochromacy



Original Color

31.7857, 46.1329, 64.3560



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

24.0145, 31.0484, 39.8492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7857, 46.1329, 64.3560 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(0, 201, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 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(0, 201, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 204) }
```

Border

The CSS property to change the border of an element to XYZ 31.7857, 46.1329, 64.3560 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(0, 201, 204) }
```


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

```
.border{ border-color:rgb(0, 201, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 201, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7857, 46.1329, 64.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 204) }
```

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

```
.background{ background-color: rgb(0, 201,  
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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