

Converting Colors

XYZ(31.3680, 47.0956, 58.6708)

Have a look what the booklet for
XYZ(31.3680, 47.0956, 58.6708)
contains.

XYZ(31.3305, 47.0808, 58.4751)	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(31.3305, 47.0808,
58.4751)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCC2
RGB	0, 204, 194
RGB Percent	0%, 80%, 76%
CMY	0.9998, 0.2000, 0.2392
CMYK	1.00, 0.00, 0.05, 0.20
HSL	177°, 100%, 40%
HSV	177°, 100%, 80%
XYZ	31.3305, 47.0808, 58.4751
YIQ	141.8640, -118.3740, -46.3580

Conversions

Conversions Part 2

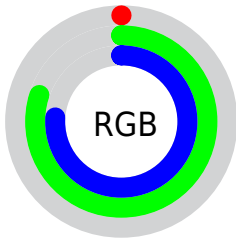
Format	Color
RYB	0, 105, 204
Decimal	52418
CIELab	74.24, -43.58, -6.98
CIELCh	74, 44.134, 189.098
Yxy	47.0808, 0.2289, 0.3439
Android (android.graphics.Color)	4278242498 (0xFF00CCC2)
YUV	141.8640, 25.7030, -124.4147
Hunter-Lab	68.6155, -38.5722, -2.4970

Details

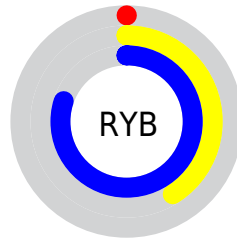
The XYZ color **31.3305, 47.0808, 58.4751** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.9582, 12.8608, 1.4554**, and the grayscale version is **25.5983, 26.9314, 29.3283**.

A 20% lighter version of the original color is **58.8410, 81.4254, 103.0579**, and **15.5552, 23.4180, 28.8996** is the 20% darker color. If you saturate the color by 10%, you get **31.3311, 47.0822, 58.4749**, and if you desaturate by 10%, it is **31.7417, 47.2808, 59.0839**.

Distribution



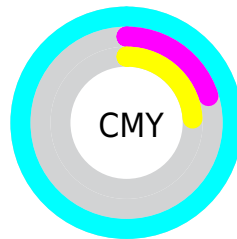
- Red (0%)
- Green (80%)
- Blue (76%)



- Red (0%)
- Yellow (41%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3305, 47.0808, 58.4751 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 31.3305, 47.0808, 58.4751 by changing the saturation by 10% instead.


 31.3305, 47.0808,
58.4751


 31.3305, 47.0808,
58.4751


299.8578,
375.1370, 436.6015


 21.0037, 33.0995,
41.7735


 61.1323, 85.8342,
104.1360


 13.2392, 22.2027,
28.5997


 81.3381, 111.3752,
133.9324


 7.6716, 14.0059,
18.5353


 105.5676,
141.5381, 168.9307

 3.9356, 8.1248,
11.1616

 134.1861,
176.7075, 209.5497

 1.6657, 4.1749,
6.0601

 167.5590,
217.2677, 256.2076

 0.4347, 1.7719,
2.8123

206.0517,

 0.0000, 0.4696,

263.6030, 309.3233

0.9996

250.0295,
316.0980, 369.3150

■ 0.0000, 0.0000,
0.0000

■ 31.3305, 47.0808,
58.4751

■ 31.3305, 47.0808,
58.4751

■ 31.3311, 47.0822,
58.4749

■ 31.7417, 47.2808,
59.0839

■ 32.4659, 47.6410,
59.7103

■ 33.6115, 48.2184,
60.3604

■ 35.2358, 49.0425,
61.0369

■ 37.3874, 50.1383,
61.7420

■ 40.1086, 51.5277,
62.4777

■ 43.4377, 53.2303,
63.2459

■ 47.4095, 55.2642,
64.0482

■ 52.0562, 57.6459,
64.8860

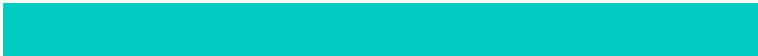
Harmonies

Analogous

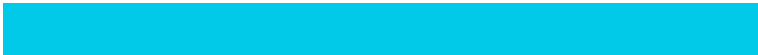
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.9741, 47.0808, 37.2213



31.3305, 47.0808, 58.4751



33.9381, 47.0808, 83.9894

Triad

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



31.3305, 47.0808, 58.4751



55.0589, 47.0808, 93.1177



50.4062, 47.0808, 20.3553

Complementary

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



31.3305, 47.0808, 58.4751



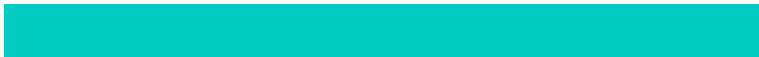
24.9582, 12.8608, 1.4554

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.



57.6416, 47.0808, 28.3796



31.3305, 47.0808, 58.4751



60.5403, 47.0808, 68.4548

Square

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



31.3305, 47.0808, 58.4751



47.2010, 47.0808, 107.5294



61.5375, 47.0808, 44.6697



42.3832, 47.0808, 19.1265

Rectangle

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



31.3305, 47.0808, 58.4751



37.3731, 47.0808, 98.5441



61.5375, 47.0808, 44.6697



53.0364, 47.0808, 22.2030

Sweetspot

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



31.3319, 47.0826, 58.4762



71.6869, 88.0250, 104.6846



21.7220, 43.2534, 7.2051



14.8167, 18.5712, 22.2893



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.



31.3319, 47.0826, 58.4762



51.8615, 77.9606, 96.7096



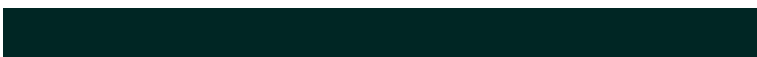
16.7186, 15.9973, 59.3353



11.5186, 12.7172, 14.2883



19.7299, 29.6373, 36.8581



1.0253, 1.5319, 1.9409

Inverse Universe

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



24.9582, 12.8608, 1.4554



41.3095, 21.2878, 2.2959



28.7150, 20.4620, 2.4374



11.2343, 11.2224, 11.7682



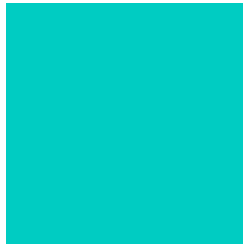
15.7181, 8.0978, 0.9680



0.8189, 0.4209, 0.0920

Previews

White Background



This preview shows how the XYZ color 31.3305, 47.0808, 58.4751 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 31.3305, 47.0808, 58.4751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

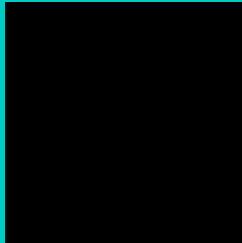
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

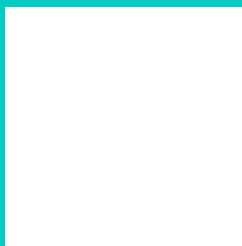
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3305, 47.0808, 58.4751

Background



This preview shows how black text looks on a background with the XYZ color 31.3305, 47.0808, 58.4751.

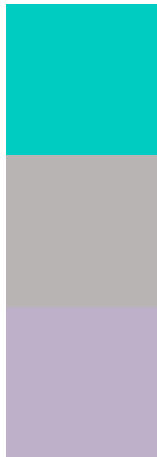


This preview shows how white text looks on a background with the XYZ color 31.3305, 47.0808,

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

31.3305, 47.0808, 58.4751

Protanopia

44.3266, 46.1282, 49.7474

Deuteranopia

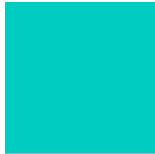
47.1859, 46.1679, 61.0679



Tritanopia

34.4932, 47.3409, 72.9654

Trichromacy



Original Color

31.3305, 47.0808, 58.4751



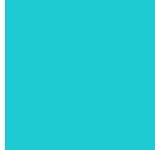
Protanomaly

34.2907, 43.6799, 52.5227



Deuteranomaly

35.6371, 43.2600, 59.8978



Tritanomaly

33.1358, 47.1057, 67.6675

Monochromacy



Original Color

31.3305, 47.0808, 58.4751



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.1046, 31.6571, 38.5582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3305, 47.0808, 58.4751 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, 204, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 194)  
}
```

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, 204, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 194) }
```

Border

The CSS property to change the border of an element to XYZ 31.3305, 47.0808, 58.4751 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, 204, 194) }
```


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

```
.border{ border-color:rgb(0, 204, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3305, 47.0808, 58.4751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 194) }
```

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

```
.background{ background-color: rgb(0, 204,  
194) }
```

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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