

Converting Colors

XYZ(12.7241, 38.7891, 52.1456)

Have a look what the booklet for
XYZ(12.7241, 38.7891, 52.1456)
contains.

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Color

**XYZ(30.9646, 48.0863,
52.9970)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00CFB8 |
| RGB | 0, 207, 184 |
| RGB Percent | 0%, 81%, 72% |
| CMY | 0.9998, 0.1882, 0.2784 |
| CMYK | 1.00, 0.00, 0.11, 0.19 |
| HSL | 173°, 100%, 41% |
| HSV | 173°, 100%, 81% |
| XYZ | 30.9646, 48.0863, 52.9970 |
| YIQ | 142.4850, -115.9890, -51.0370 |

Conversions

Conversions Part 2

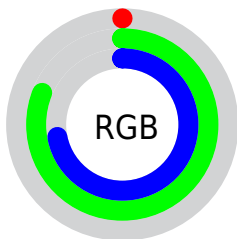
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 110, 207 |
| Decimal | 53176 |
| CIELab | 74.88, -47.68, -0.64 |
| CIELCh | 75, 47.683, 180.763 |
| Yxy | 48.0863, 0.2345, 0.3642 |
| Android (android.graphics.Color) | 4278243256 (0xFF00CFB8) |
| YUV | 142.4850, 20.4669, -124.9593 |
| Hunter-Lab | 69.3443, -41.6461, 3.2281 |

Details

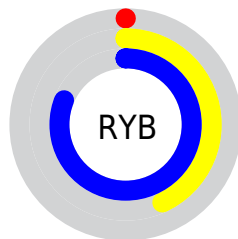
The XYZ color **30.9646, 48.0863, 52.9970** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **25.8885, 13.3288, 2.0212**, and the grayscale version is **25.8633, 27.2102, 29.6319**.

A 20% lighter version of the original color is **57.3139, 80.8145, 95.0161**, and **15.3250, 24.0952, 25.3159** is the 20% darker color. If you saturate the color by 10%, you get **30.9649, 48.0876, 52.9955**, and if you desaturate by 10%, it is **31.5125, 48.3418, 54.2930**.

Distribution



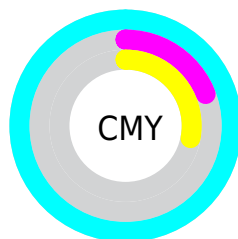
- Red (0%)
- Green (81%)
- Blue (72%)



- Red (0%)
- Yellow (43%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9646, 48.0863, 52.9970 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 30.9646, 48.0863, 52.9970 by changing the saturation by 10% instead.


 30.9646, 48.0863,
52.9970


 30.9646, 48.0863,
52.9970


298.2050,
379.1341, 415.3396


 20.7236, 33.8952,
37.4127


 60.5606, 87.3329,
96.0415


 13.0334, 22.8131,
25.2289


 80.6462, 113.1572,
124.3387


 7.5287, 14.4556,
16.0271

 104.7441,
143.6280, 157.7106

 3.8441, 8.4382,
9.3888

 133.2196,
179.1298, 196.5757

 1.6143, 4.3766,
4.8954

 166.4381,
220.0469, 241.3527

 0.4017, 1.8864,
2.1283

204.7650,

 0.0000, 0.5402,

266.7637, 292.4599

0.6326

248.5655,
319.6647, 350.3160

■ 0.0000, 0.0000,
0.0000

■ 30.9646, 48.0863,
52.9970

■ 30.9646, 48.0863,
52.9970

■ 30.9649, 48.0876,
52.9955

■ 31.5125, 48.3418,
54.2930

■ 32.3880, 48.7646,
55.6239

■ 33.7026, 49.4132,
56.9959

■ 35.5156, 50.3184,
58.4121

■ 37.8773, 51.5060,
59.8748

■ 40.8318, 52.9987,
61.3861

■ 44.4187, 54.8170,
62.9481

■ 48.6742, 56.9794,
64.5626

■ 53.6316, 59.5032,
66.2311

Harmonies

Analogous

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



32.6327, 48.0863, 32.3095



30.9646, 48.0863, 52.9970



32.8106, 48.0863, 80.8100

Triad

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



30.9646, 48.0863, 52.9970



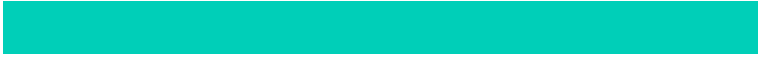
54.7841, 48.0863, 105.1086



54.3508, 48.0863, 20.7430

Complementary

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



30.9646, 48.0863, 52.9970



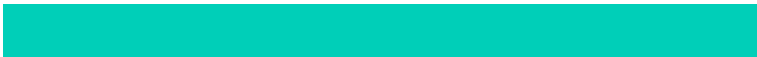
25.8885, 13.3288, 2.0212

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.



61.5989, 48.0863, 31.5168



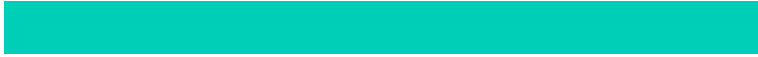
30.9646, 48.0863, 52.9970



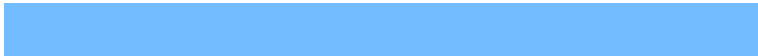
61.8705, 48.0863, 79.3463

Square

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



30.9646, 48.0863, 52.9970



45.9272, 48.0863, 116.1723



64.5072, 48.0863, 51.7238



45.4827, 48.0863, 17.6307

Rectangle

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



30.9646, 48.0863, 52.9970



35.9395, 48.0863, 98.7926



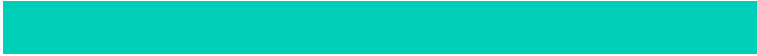
64.5072, 48.0863, 51.7238



57.0954, 48.0863, 23.3758

Sweetspot

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



30.9660, 48.0881, 52.9981



70.9461, 87.7287, 100.7840



22.6950, 44.8237, 7.4569



14.6367, 18.4992, 21.3414



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.



30.9660, 48.0881, 52.9981



49.5782, 77.0473, 84.6854



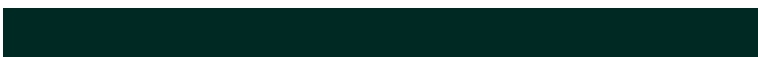
18.9394, 19.8574, 61.8680



12.0994, 13.3835, 14.8799



19.5306, 30.3052, 33.5037



1.1085, 1.7011, 1.9603

Inverse Universe

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



25.8885, 13.3288, 2.0212



41.4537, 21.3455, 3.0553



28.5565, 18.9126, 2.1466



11.8614, 11.8293, 12.5459



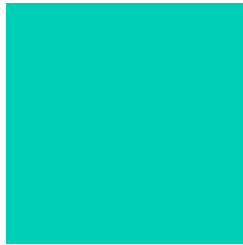
16.3274, 8.4038, 1.3645



0.9313, 0.4773, 0.1732

Previews

White Background



This preview shows how the XYZ color 30.9646, 48.0863, 52.9970 looks on a white background.

Color Contrast Check

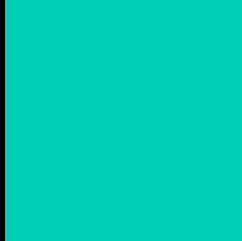
Large Text (above 18pt) WCAG AA × Fail

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 30.9646, 48.0863, 52.9970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

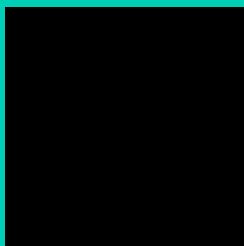
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

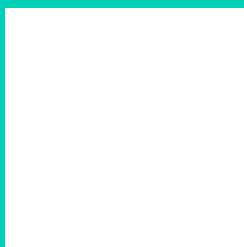
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9646, 48.0863, 52.9970

Background



This preview shows how black text looks on a background with the XYZ color 30.9646, 48.0863, 52.9970.

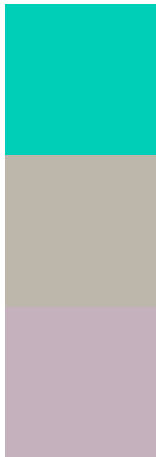


This preview shows how white text looks on a background with the XYZ color 30.9646, 48.0863,

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

30.9646, 48.0863, 52.9970

Protanopia

44.9699, 47.1770, 44.7661

Deuteranopia

48.0424, 47.0323, 55.2612



Tritanopia

35.2967, 48.0873, 73.7511

Trichromacy



Original Color

30.9646, 48.0863, 52.9970



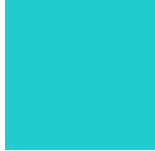
Protanomaly

34.1144, 44.3498, 47.3198



Deuteranomaly

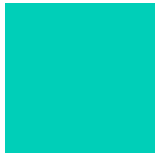
35.5178, 43.9573, 54.1896



Tritanomaly

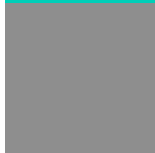
33.3931, 47.9820, 65.8940

Monochromacy



Original Color

30.9646, 48.0863, 52.9970



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.9385, 31.8804, 36.7901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9646, 48.0863, 52.9970 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, 207, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 184)  
}
```

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, 207, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 184) }
```

Border

The CSS property to change the border of an element to XYZ 30.9646, 48.0863, 52.9970 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, 207, 184) }
```


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

```
.border{ border-color:rgb(0, 207, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9646, 48.0863, 52.9970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 184) }
```

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

```
.background{ background-color: rgb(0, 207,  
184) }
```

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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