

Converting Colors

XYZ(29.6118, 46.1066, 55.5134)

Have a look what the booklet for
XYZ(29.6118, 46.1066, 55.5134)
contains.

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Color

**XYZ(30.7782, 46.8599,
55.5668)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCBD
RGB	0, 204, 189
RGB Percent	0%, 80%, 74%
CMY	0.9998, 0.2000, 0.2588
CMYK	1.00, 0.00, 0.07, 0.20
HSL	176°, 100%, 40%
HSV	176°, 100%, 80%
XYZ	30.7782, 46.8599, 55.5668
YIQ	141.2940, -116.7690, -47.9130

Conversions

Conversions Part 2

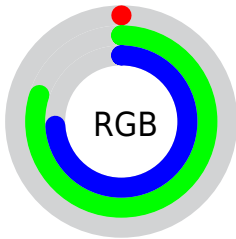
Format	Color
RYB	0, 106, 204
Decimal	52413
CIELab	74.10, -45.01, -4.48
CIELCh	74, 45.234, 185.686
Yxy	46.8599, 0.2311, 0.3518
Android (android.graphics.Color)	4278242493 (0xFF00CCBD)
YUV	141.2940, 23.5191, -123.9148
Hunter-Lab	68.4543, -39.5384, -0.2098

Details

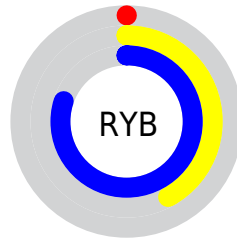
The XYZ color **30.7782, 46.8599, 55.5668** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **24.9896, 12.8733, 1.6212**, and the grayscale version is **25.3813, 26.7031, 29.0797**.

A 20% lighter version of the original color is **58.0671, 81.1158, 98.9827**, and **15.1914, 23.2725, 26.9839** is the 20% darker color. If you saturate the color by 10%, you get **30.7788, 46.8613, 55.5662**, and if you desaturate by 10%, it is **31.2404, 47.0803, 56.4442**.

Distribution



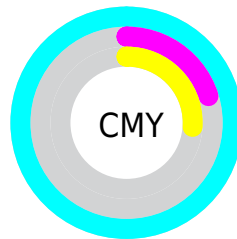
- Red (0%)
- Green (80%)
- Blue (74%)



- Red (0%)
- Yellow (42%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7782, 46.8599, 55.5668 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 30.7782, 46.8599, 55.5668 by changing the saturation by 10% instead.

30.7782, 46.8599,
55.5668

30.7782, 46.8599,
55.5668

297.3603,
374.2550, 425.3992

20.5810, 32.9249,
39.4540

60.2689, 85.5045,
99.8504

12.9288, 22.0689,
26.8026

80.2932, 110.9828,
128.8583

7.4562, 13.9076,
17.1939

104.3238,
141.0778, 163.0016

3.7979, 8.0564,
10.2094

132.7262,
176.1737, 202.6990

1.5884, 4.1311,
5.4306

165.8657,
216.6550, 248.3689

0.3848, 1.7471,
2.4389

204.1076,

0.0000, 0.4539,

262.9060, 300.4299

0.8075

247.8174,
315.3113, 359.3005

■ 0.0000, 0.0000,
0.0000

■ 30.7782, 46.8599,
55.5668

■ 30.7782, 46.8599,
55.5668

■ 30.7788, 46.8613,
55.5662

■ 31.2404, 47.0803,
56.4442

■ 32.0164, 47.4612,
57.3441

■ 33.2147, 48.0597,
58.2725

■ 34.8928, 48.9053,
59.2323

■ 37.0990, 50.0229,
60.2258

■ 39.8758, 51.4345,
61.2548

■ 43.2614, 53.1597,
62.3213

■ 47.2906, 55.2166,
63.4269

■ 51.9958, 57.6217,
64.5731

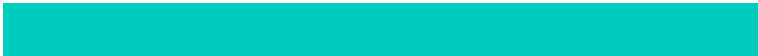
Harmonies

Analogous

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



31.8086, 46.8599, 34.7831



30.7782, 46.8599, 55.5668



33.0565, 46.8599, 81.6887

Triad

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



30.7782, 46.8599, 55.5668



54.2481, 46.8599, 96.4611



51.2590, 46.8599, 20.2298

Complementary

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



30.7782, 46.8599, 55.5668



24.9896, 12.8733, 1.6212

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.



58.4130, 46.8599, 29.1889



30.7782, 46.8599, 55.5668



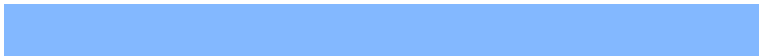
60.2800, 46.8599, 71.6622

Square

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



30.7782, 46.8599, 55.5668



46.0986, 46.8599, 109.4660



61.8894, 46.8599, 46.7329



43.0148, 46.8599, 18.2807

Rectangle

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



30.7782, 46.8599, 55.5668



36.3291, 46.8599, 97.3997



61.8894, 46.8599, 46.7329



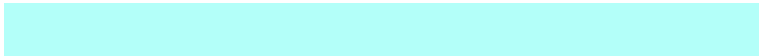
53.9008, 46.8599, 22.3530

Sweetspot

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



30.7796, 46.8617, 55.5679



71.3922, 87.9071, 103.1332



21.8256, 43.3068, 7.2099



14.7450, 18.5426, 21.9119



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.



30.7796, 46.8617, 55.5679



50.9359, 77.5904, 91.8352



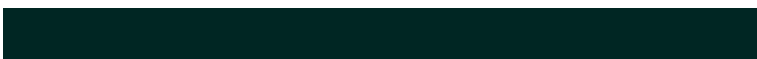
17.4989, 17.5580, 59.5955



11.5063, 12.7123, 14.2234



19.3869, 29.5001, 35.0519



1.0110, 1.5262, 1.8656

Inverse Universe

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



24.9896, 12.8733, 1.6212



41.3555, 21.3062, 2.5380



28.1533, 19.3387, 2.2500



11.2452, 11.2268, 11.8261



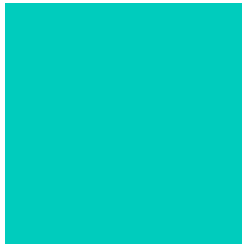
15.7411, 8.1070, 1.0891



0.8240, 0.4230, 0.1190

Previews

White Background



This preview shows how the XYZ color 30.7782, 46.8599, 55.5668 looks on a white background.

Color Contrast Check

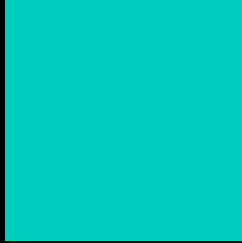
Large Text (above 18pt) WCAG AA × Fail

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 30.7782, 46.8599, 55.5668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

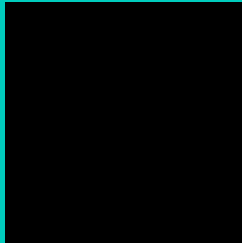
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

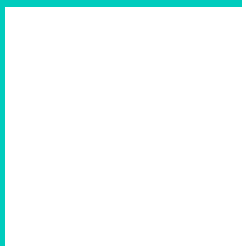
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7782, 46.8599, 55.5668

Background



This preview shows how black text looks on a background with the XYZ color 30.7782, 46.8599, 55.5668.

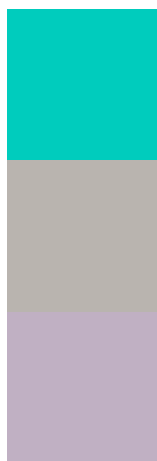


This preview shows how white text looks on a background with the XYZ color 30.7782, 46.8599,

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

30.7782, 46.8599, 55.5668

Protanopia

44.0667, 46.0519, 47.1238

Deuteranopia

47.1139, 46.1973, 58.0636



Tritanopia

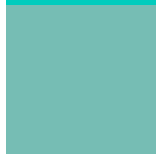
34.3156, 46.9194, 72.2135

Trichromacy



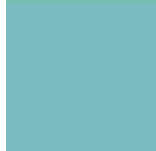
Original Color

30.7782, 46.8599, 55.5668



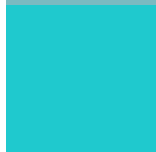
Protanomaly

33.9070, 43.5420, 49.7974



Deuteranomaly

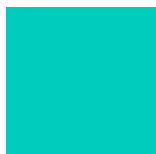
35.2106, 43.1056, 56.9165



Tritanomaly

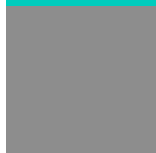
32.5923, 46.5208, 65.6541

Monochromacy



Original Color

30.7782, 46.8599, 55.5668



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.6635, 31.1932, 37.1214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7782, 46.8599, 55.5668 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 189) }
```

Border

The CSS property to change the border of an element to XYZ 30.7782, 46.8599, 55.5668 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, 189) }
```


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

```
.border{ border-color:rgb(0, 204, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7782, 46.8599, 55.5668 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, 189) }
```

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

```
.background{ background-color: rgb(0, 204,  
189) }
```

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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