

Converting Colors

XYZ(30.7068, 46.8299, 55.1635)

Have a look what the booklet for
XYZ(30.7068, 46.8299, 55.1635)
contains.

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Color

**XYZ(30.6825, 46.8230,
54.9976)**

Conversions

Conversions Part 1

Format	Color
Hex	01CCBC
RGB	1, 204, 188
RGB Percent	0%, 80%, 74%
CMY	0.9959, 0.2000, 0.2627
CMYK	0.99, 0.00, 0.08, 0.20
HSL	175°, 99%, 40%
HSV	175°, 99%, 80%
XYZ	30.6825, 46.8230, 54.9976
YIQ	141.4790, -115.8520, -48.0120

Conversions

Conversions Part 2

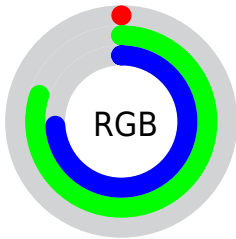
Format	Color
RYB	1, 107, 204
Decimal	117948
CIELab	74.08, -45.27, -3.97
CIELCh	74, 45.440, 185.018
Yxy	46.8230, 0.2316, 0.3534
Android (android.graphics.Color)	4278308028 (0xFF01CCBC)
YUV	141.4790, 22.9349, -123.2001
Hunter-Lab	68.4273, -39.7093, 0.2455

Details

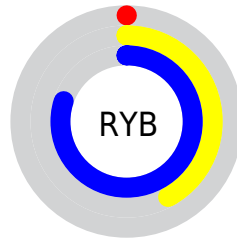
The XYZ color **30.6825, 46.8230, 54.9976** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **25.0155, 12.9010, 1.7037**, and the grayscale version is **25.4561, 26.7818, 29.1654**.

A 20% lighter version of the original color is **57.9148, 81.0549, 98.1807**, and **15.1206, 23.2442, 26.6113** is the 20% darker color. If you saturate the color by 10%, you get **30.6620, 46.8145, 54.9515**, and if you desaturate by 10%, it is **31.1639, 47.0521, 55.9314**.

Distribution



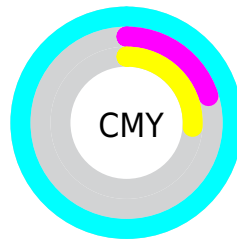
- Red (0%)
- Green (80%)
- Blue (74%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6825, 46.8230, 54.9976 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 30.6825, 46.8230, 54.9976 by changing the saturation by 10% instead.


 30.6825, 46.8230,
54.9976


 30.6825, 46.8230,
54.9976


296.9260,
374.1076, 423.1845


 20.5078, 32.8958,
39.0012


 60.1191, 85.4494,
99.0086


 12.8751, 22.0466,
26.4528


 80.1118, 110.9173,
127.8602


 7.4190, 13.8911,
16.9339


 104.1078,
141.0008, 161.8340

 3.7742, 8.0450,
10.0259

 132.4725,
176.0845, 201.3485

 1.5752, 4.1238,
5.3103

 165.5714,
216.5526, 246.8223

 0.3761, 1.7430,
2.3686

203.7697,

 0.0000, 0.4513,

262.7895, 298.6739

0.7692

247.4328,
315.1797, 357.3218

■ 0.0000, 0.0000,
0.0000

■ 30.6825, 46.8230,
54.9976

■ 30.6825, 46.8230,
54.9976

■ 30.6620, 46.8145,
54.9515

■ 31.1639, 47.0521,
55.9314

■ 31.9700, 47.4473,
56.8895

■ 33.2017, 48.0616,
57.8776

■ 34.9159, 48.9245,
58.8985

■ 37.1607, 50.0607,
59.9545

■ 39.9783, 51.4920,
61.0475

■ 43.4068, 53.2379,
62.1794

■ 47.4808, 55.3164,
63.3518

■ 52.2325, 57.7440,
64.5663

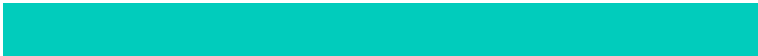
Harmonies

Analogous

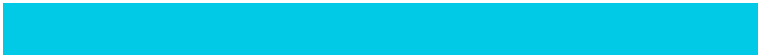
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.7897, 46.8230, 34.3220



30.6825, 46.8230, 54.9976



32.8944, 46.8230, 81.2142

Triad

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



30.6825, 46.8230, 54.9976



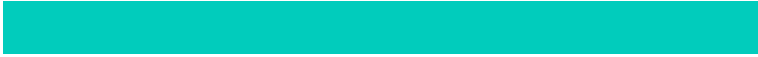
54.0859, 46.8230, 97.1146



51.4345, 46.8230, 20.2258

Complementary

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



30.6825, 46.8230, 54.9976



25.0155, 12.9010, 1.7037

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.



58.5664, 46.8230, 29.3733



30.6825, 46.8230, 54.9976



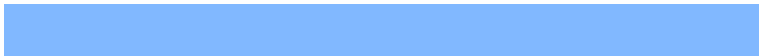
60.2231, 46.8230, 72.3133

Square

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



30.6825, 46.8230, 54.9976



45.8847, 46.8230, 109.8163



61.9547, 46.8230, 47.1673



43.1510, 46.8230, 18.1344

Rectangle

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



30.6825, 46.8230, 54.9976



36.1331, 46.8230, 97.1395



61.9547, 46.8230, 47.1673



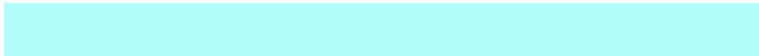
54.0767, 46.8230, 22.4043

Sweetspot

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



30.6839, 46.8248, 54.9987



71.3291, 87.8818, 102.8005



21.8479, 43.3176, 7.2395



14.7297, 18.5364, 21.8310



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.



30.6839, 46.8248, 54.9987



50.7404, 77.5121, 90.8055



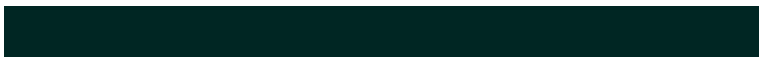
17.5612, 17.6640, 59.6125



11.5036, 12.7112, 14.2095



19.3144, 29.4711, 34.6701



1.0080, 1.5250, 1.8496

Inverse Universe

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



25.0155, 12.9010, 1.7037



41.3672, 21.3109, 2.5998



28.2050, 19.4333, 2.2943



11.2476, 11.2278, 11.8386



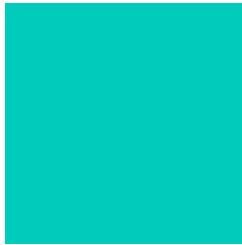
15.7466, 8.1092, 1.1184



0.8251, 0.4234, 0.1248

Previews

White Background



This preview shows how the XYZ color 30.6825, 46.8230, 54.9976 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 30.6825, 46.8230, 54.9976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

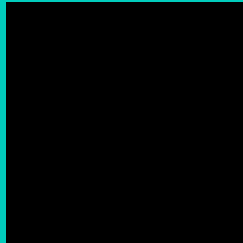
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

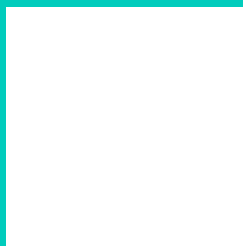
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6825, 46.8230, 54.9976

Background



This preview shows how black text looks on a background with the XYZ color 30.6825, 46.8230, 54.9976.

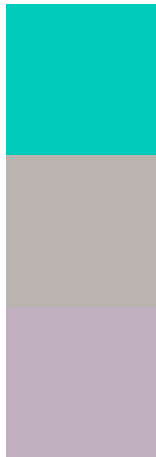


This preview shows how white text looks on a background with the XYZ color 30.6825, 46.8230,

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

30.6825, 46.8230, 54.9976

Protanopia

43.9688, 46.0128, 46.6084

Deuteranopia

47.0012, 46.1522, 57.4700



Tritanopia

34.3156, 46.9194, 72.2135

Trichromacy



Original Color

30.6825, 46.8230, 54.9976



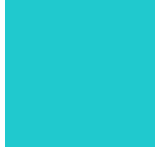
Protanomaly

33.8055, 43.5014, 49.2627



Deuteranomaly

35.2417, 43.1345, 56.3375



Tritanomaly

32.6229, 46.5366, 65.6556

Monochromacy



Original Color

30.6825, 46.8230, 54.9976



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 30.6825, 46.8230, 54.9976 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(1, 204, 188)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 188)  
}
```

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(1, 204, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 188) }
```

Border

The CSS property to change the border of an element to XYZ 30.6825, 46.8230, 54.9976 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(1, 204, 188) }
```


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

```
.border{ border-color:rgb(1, 204, 188) }
```

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

Here you see how a box with a 4 pixel rgb(1, 204, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 188);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6825, 46.8230, 54.9976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 188) }
```

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

```
.background{ background-color: rgb(1, 204,  
188) }
```

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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