

Converting Colors

XYZ(30.8662, 46.8951, 56.0305)

Have a look what the booklet for
XYZ(30.8662, 46.8951, 56.0305)
contains.

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Color

**XYZ(30.8871, 46.9034,
56.1405)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCBE
RGB	0, 204, 190
RGB Percent	0%, 80%, 75%
CMY	0.9998, 0.2000, 0.2549
CMYK	1.00, 0.00, 0.07, 0.20
HSL	176°, 100%, 40%
HSV	176°, 100%, 80%
XYZ	30.8871, 46.9034, 56.1405
YIQ	141.4080, -117.0900, -47.6020

Conversions

Conversions Part 2

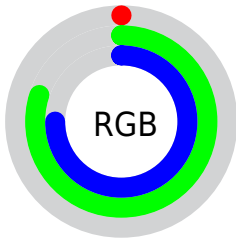
Format	Color
RYB	0, 106, 204
Decimal	52414
CIELab	74.13, -44.73, -4.98
CIELCh	74, 45.004, 186.355
Yxy	46.9034, 0.2306, 0.3502
Android (android.graphics.Color)	4278242494 (0xFF00CCBE)
YUV	141.4080, 23.9559, -124.0148
Hunter-Lab	68.4861, -39.3474, -0.6619

Details

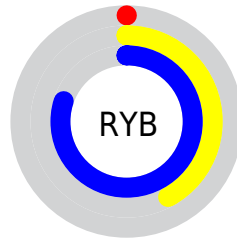
The XYZ color **30.8871, 46.9034, 56.1405** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **24.9826, 12.8704, 1.5844**, and the grayscale version is **25.4244, 26.7485, 29.1291**.

A 20% lighter version of the original color is **58.2203, 81.1771, 99.7890**, and **15.2628, 23.3010, 27.3600** is the 20% darker color. If you saturate the color by 10%, you get **30.8877, 46.9048, 56.1401**, and if you desaturate by 10%, it is **31.3393, 47.1198, 56.9657**.

Distribution



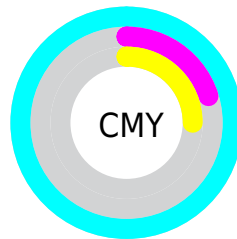
- Red (0%)
- Green (80%)
- Blue (75%)



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



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





- Cyan (100%)
- Magenta (20%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8871, 46.9034, 56.1405 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 30.8871, 46.9034, 56.1405 by changing the saturation by 10% instead.

 30.8871, 46.9034,
56.1405


 30.8871, 46.9034,
56.1405


297.8540,
374.4288, 427.6240


 20.6643, 32.9593,
39.9108


 60.4393, 85.5694,
100.6978


 12.9899, 22.0953,
27.1558

 80.4995, 111.0601,
129.8625


 7.4985, 13.9269,
17.4568


 104.5694,
141.1685, 164.1760

 3.8249, 8.0699,
10.3953

 133.0146,
176.2789, 204.0568

 1.6035, 4.1397,
5.5528

 166.2002,
216.7757, 249.9235

 0.3947, 1.7520,
2.5108

204.4918,

 0.0000, 0.4570,

263.0434, 302.1945

0.8459

248.2546,
315.4663, 361.2885

■ 0.0000, 0.0000,
0.0000

■ 30.8871, 46.9034,
56.1405

■ 30.8871, 46.9034,
56.1405

■ 30.8877, 46.9048,
56.1401

■ 31.3393, 47.1198,
56.9657

■ 32.1052, 47.4967,
57.8122

■ 33.2932, 48.0910,
58.6861

■ 34.9607, 48.9324,
59.5903

■ 37.1561, 50.0457,
60.5269

■ 39.9219, 51.4528,
61.4980

■ 43.2962, 53.1736,
62.5054

■ 47.3140, 55.2259,
63.5507

■ 52.0074, 57.6263,
64.6355

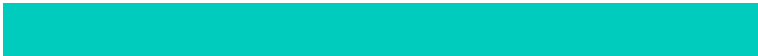
Harmonies

Analogous

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



31.8406, 46.9034, 35.2611



30.8871, 46.9034, 56.1405



33.2307, 46.9034, 82.1467

Triad

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



30.8871, 46.9034, 56.1405



54.4096, 46.9034, 95.7873



51.0872, 46.9034, 20.2534

Complementary

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



30.8871, 46.9034, 56.1405



24.9826, 12.8704, 1.5844

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.



58.2581, 46.9034, 29.0242



30.8871, 46.9034, 56.1405



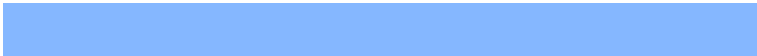
60.3321, 46.9034, 71.0127

Square

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



30.8871, 46.9034, 56.1405



46.3173, 46.9034, 109.0792



61.8191, 46.9034, 46.3141



42.8872, 46.9034, 18.4464

Rectangle

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



30.8871, 46.9034, 56.1405



36.5356, 46.9034, 97.6299



61.8191, 46.9034, 46.3141



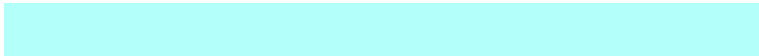
53.7269, 46.9034, 22.3214

Sweetspot

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



30.8885, 46.9052, 56.1416



71.4509, 87.9306, 103.4423



21.8256, 43.3067, 7.2098



14.7593, 18.5483, 21.9870



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.



30.8885, 46.9052, 56.1416



51.1185, 77.6634, 92.7968



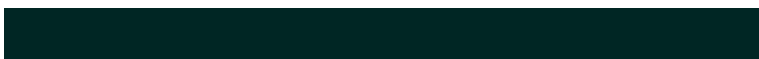
17.4989, 17.5579, 59.5953



11.5087, 12.7132, 14.2364



19.4546, 29.5271, 35.4084



1.0139, 1.5274, 1.8805

Inverse Universe

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



24.9826, 12.8704, 1.5844



41.3452, 21.3021, 2.4838



28.1532, 19.3386, 2.2500



11.2430, 11.2260, 11.8145



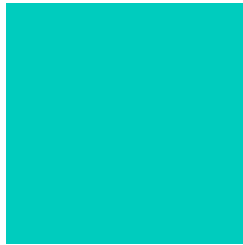
15.7361, 8.1050, 1.0633



0.8230, 0.4226, 0.1136

Previews

White Background



This preview shows how the XYZ color 30.8871, 46.9034, 56.1405 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 30.8871, 46.9034, 56.1405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

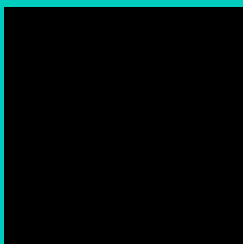
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

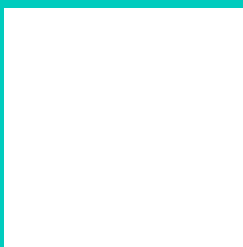
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8871, 46.9034, 56.1405

Background



This preview shows how black text looks on a background with the XYZ color 30.8871, 46.9034, 56.1405.

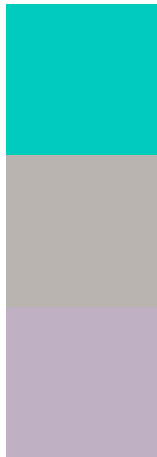


This preview shows how white text looks on a background with the XYZ color 30.8871, 46.9034,

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

30.8871, 46.9034, 56.1405

Protanopia

44.1653, 46.0914, 47.6431

Deuteranopia

46.9750, 46.1126, 58.6493



Tritanopia

34.2679, 46.8948, 72.2112

Trichromacy



Original Color

30.8871, 46.9034, 56.1405



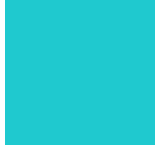
Protanomaly

34.0093, 43.5829, 50.3359



Deuteranomaly

35.3225, 43.1504, 57.5061



Tritanomaly

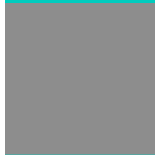
32.7142, 46.5696, 66.2961

Monochromacy



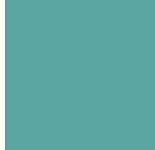
Original Color

30.8871, 46.9034, 56.1405



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.7499, 31.2278, 37.5767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8871, 46.9034, 56.1405 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 190) }
```

Border

The CSS property to change the border of an element to XYZ 30.8871, 46.9034, 56.1405 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, 190) }
```


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

```
.border{ border-color:rgb(0, 204, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8871, 46.9034, 56.1405 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, 190) }
```

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

```
.background{ background-color: rgb(0, 204,  
190) }
```

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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