

Converting Colors

XYZ(28.8818, 46.1013, 45.5805)

Have a look what the booklet for
XYZ(28.8818, 46.1013, 45.5805)
contains.

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Color

**XYZ(28.8486, 46.0880,
45.4056)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCAA
RGB	0, 204, 170
RGB Percent	0%, 80%, 67%
CMY	0.9999, 0.2000, 0.3333
CMYK	1.00, 0.00, 0.17, 0.20
HSL	170°, 100%, 40%
HSV	170°, 100%, 80%
XYZ	28.8486, 46.0880, 45.4056
YIQ	139.1280, -110.6700, -53.8220

Conversions

Conversions Part 2

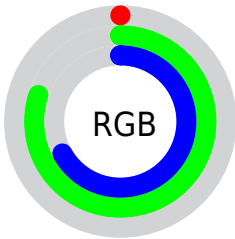
Format	Color
RYB	0, 111, 204
Decimal	52394
CIELab	73.60, -50.20, 5.07
CIElCh	74, 50.453, 174.237
Yxy	46.0880, 0.2397, 0.3830
Android (android.graphics.Color)	4278242474 (0xFF00CCAA)
YUV	139.1280, 15.2199, -122.0153
Hunter-Lab	67.8881, -42.9519, 7.8668

Details

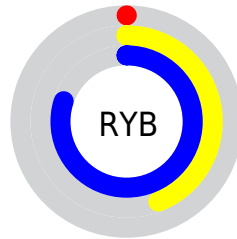
The XYZ color **28.8486, 46.0880, 45.4056** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.1923, 12.9543, 2.6888**, and the grayscale version is **24.5682, 25.8477, 28.1481**.

A 20% lighter version of the original color is **54.9441, 79.8398, 83.7489**, and **14.0175, 22.8029, 20.8021** is the 20% darker color. If you saturate the color by 10%, you get **28.8489, 46.0893, 45.4037**, and if you desaturate by 10%, it is **29.4729, 46.3733, 47.1372**.

Distribution



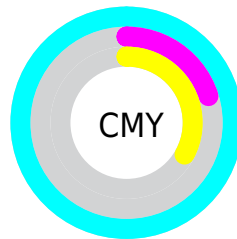
- Red (0%)
- Green (80%)
- Blue (67%)



- Red (0%)
- Yellow (44%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8486, 46.0880, 45.4056 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 28.8486, 46.0880, 45.4056 by changing the saturation by 10% instead.


 28.8486, 46.0880,
45.4056


 28.8486, 46.0880,
45.4056


288.5070,
371.1623, 384.6217


 19.1100, 32.3153,
31.4318


 57.2357, 84.3507,
84.6536


 11.8543, 21.6024,
20.6666


 76.6149, 109.6094,
110.7649

 6.7160, 13.5651,
12.6917


 99.9384, 139.4656,
141.7590

 3.3299, 7.8188,
7.0884

 127.5715,
174.3037, 178.0545

 1.3305, 3.9792,
3.4381

 159.8795,
214.5080, 220.0700

 0.2059, 1.6619,
1.3225

197.2279,

 0.0000, 0.3988,

260.4629, 268.2240

0.0801

239.9820,
312.5529, 322.9351

■ 0.0000, 0.0000,
0.0000

■ 28.8486, 46.0880,
45.4056

■ 28.8486, 46.0880,
45.4056

■ 28.8489, 46.0893,
45.4037

■ 29.4729, 46.3733,
47.1372

■ 30.4177, 46.8217,
48.9265

■ 31.7916, 47.4904,
50.7799

■ 33.6521, 48.4089,
52.7006

■ 36.0475, 49.6022,
54.6910

■ 39.0204, 51.0922,
56.7534

■ 42.6091, 52.8987,
58.8900

■ 46.8484, 55.0396,
61.1026

■ 51.7707, 57.5315,
63.3931

Harmonies

Analogous

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



31.2994, 46.0880, 26.5836



28.8486, 46.0880, 45.4056



29.9419, 46.0880, 73.1924

Triad

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



28.8486, 46.0880, 45.4056



51.2374, 46.0880, 109.6897



54.6237, 46.0880, 19.9252

Complementary

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



28.8486, 46.0880, 45.4056



25.1923, 12.9543, 2.6888

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.



61.3979, 46.0880, 32.5836



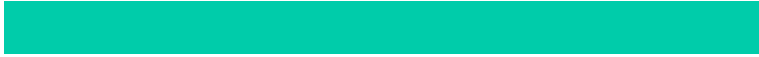
28.8486, 46.0880, 45.4056



59.2644, 46.0880, 84.7489

Square

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



28.8486, 46.0880, 45.4056



42.1041, 46.0880, 116.7156



63.2019, 46.0880, 55.2821



45.5517, 46.0880, 15.4380

Rectangle

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



28.8486, 46.0880, 45.4056



32.6210, 46.0880, 92.8898



63.2019, 46.0880, 55.2821



57.2919, 46.0880, 23.1035

Sweetspot

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



28.8499, 46.0898, 45.4067



70.2993, 87.4699, 97.3776



22.3722, 43.5886, 7.2353



14.4801, 18.4366, 20.5166



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.



28.8499, 46.0898, 45.4067



47.7058, 76.2983, 74.8256



20.1925, 22.9452, 60.4933



11.4598, 12.6937, 13.9789



18.1869, 29.0201, 28.7330



0.9601, 1.5059, 1.5976

Inverse Universe

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



25.1923, 12.9543, 2.6888



41.6671, 21.4308, 4.1790



26.7717, 16.5756, 1.7894



11.2874, 11.2437, 12.0478



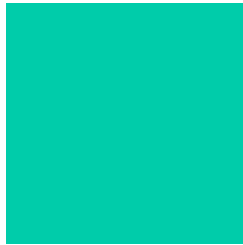
15.8787, 8.1621, 1.8141



0.8435, 0.4308, 0.2218

Previews

White Background



This preview shows how the XYZ color 28.8486, 46.0880, 45.4056 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 28.8486, 46.0880, 45.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

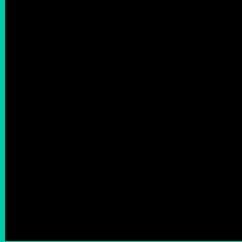
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

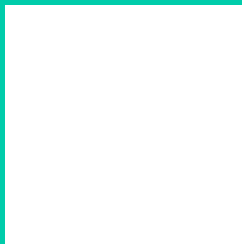
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8486, 46.0880, 45.4056

Background



This preview shows how black text looks on a background with the XYZ color 28.8486, 46.0880, 45.4056.



This preview shows how white text looks on a background with the XYZ color 28.8486, 46.0880,

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

28.8486, 46.0880, 45.4056

Protanopia

42.9449, 45.3659, 38.3913

Deuteranopia

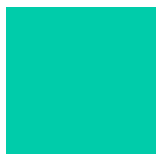
46.3606, 45.4522, 47.9247



Tritanopia

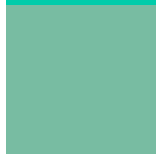
34.1353, 46.1730, 70.7315

Trichromacy



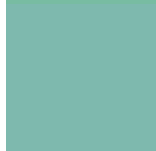
Original Color

28.8486, 46.0880, 45.4056



Protanomaly

32.2505, 42.5681, 40.6991



Deuteranomaly

33.5931, 42.1895, 46.4172



Tritanomaly

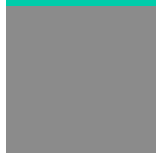
31.6466, 45.7978, 60.5980

Monochromacy



Original Color

28.8486, 46.0880, 45.4056



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.6267, 30.4711, 33.5431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8486, 46.0880, 45.4056 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 170) }
```

Border

The CSS property to change the border of an element to XYZ 28.8486, 46.0880, 45.4056 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, 170) }
```


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

```
.border{ border-color:rgb(0, 204, 170) }
```

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, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8486, 46.0880, 45.4056 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, 170) }
```

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

```
.background{ background-color: rgb(0, 204,  
170) }
```

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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