

Converting Colors

XYZ(30.2242, 48.6097, 46.5717)

Have a look what the booklet for
XYZ(30.2242, 48.6097, 46.5717)
contains.

XYZ(30.2469, 48.5795, 46.8123)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.2469, 48.5795,
46.8123)**

Conversions

Conversions Part 1

Format	Color
Hex	00D1AC
RGB	0, 209, 172
RGB Percent	0%, 82%, 67%
CMY	0.9999, 0.1804, 0.3255
CMYK	1.00, 0.00, 0.18, 0.18
HSL	169°, 100%, 41%
HSV	169°, 100%, 82%
XYZ	30.2469, 48.5795, 46.8123
YIQ	142.2910, -112.6870, -55.8150

Conversions

Conversions Part 2

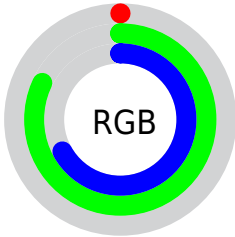
Format	Color
RYB	0, 115, 209
Decimal	53676
CIELab	75.19, -51.69, 6.27
CIELCh	75, 52.071, 173.080
Yxy	48.5795, 0.2407, 0.3867
Android (android.graphics.Color)	4278243756 (0xFF00D1AC)
YUV	142.2910, 14.6465, -124.7892
Hunter-Lab	69.6990, -44.5106, 8.9680

Details

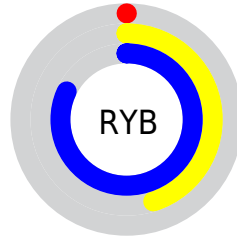
The XYZ color **30.2469, 48.5795, 46.8123** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.6303, 13.6904, 2.9923**, and the grayscale version is **25.8069, 27.1509, 29.5674**.

A 20% lighter version of the original color is **55.3340, 80.0091, 85.1999**, and **14.7814, 24.1385, 21.6494** is the 20% darker color. If you saturate the color by 10%, you get **30.2472, 48.5809, 46.8102**, and if you desaturate by 10%, it is **30.9162, 48.8841, 48.7262**.

Distribution



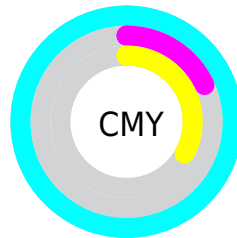
- Red (0%)
- Green (82%)
- Blue (67%)



- Red (0%)
- Yellow (45%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (18%)



- Cyan (100%)
- Magenta (18%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2469, 48.5795, 46.8123 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 30.2469, 48.5795, 46.8123 by changing the saturation by 10% instead.

■ 30.2469, 48.5795,
46.8123

■ 30.2469, 48.5795,
46.8123

294.9428,
381.0845, 390.4369

■ 20.1751, 34.2860,
32.5340

■ 59.4364, 88.0666,
86.7804

■ 12.6314, 23.1134,
21.5015

■ 79.2847, 114.0290,
113.3073

■ 7.2504, 14.6773,
13.2963

■ 103.1226,
144.6499, 144.7542

■ 3.6669, 8.5932,
7.4998

■ 131.3154,
180.3136, 181.5396

■ 1.5155, 4.4768,
3.6934

■ 164.2285,
221.4045, 224.0820

■ 0.3363, 1.9437,
1.4587

202.2272,

■ 0.0000, 0.5745,

268.3070, 272.8000

0.1869

245.6768,
321.4056, 328.1121

■ 0.0000, 0.0000,
0.0000

■ 30.2469, 48.5795,
46.8123

■ 30.2469, 48.5795,
46.8123

■ 30.2472, 48.5809,
46.8102

■ 30.9162, 48.8841,
48.7262

■ 31.9270, 49.3623,
50.7071

■ 33.3925, 50.0739,
52.7618

■ 35.3738, 51.0501,
54.8935

■ 37.9224, 52.3177,
57.1050

■ 41.0836, 53.8998,
59.3989

■ 44.8978, 55.8175,
61.7775

■ 49.4023, 58.0897,
64.2427

■ 54.6312, 60.7342,
66.7967

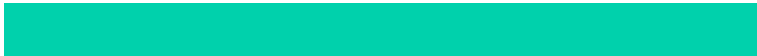
Harmonies

Analogous

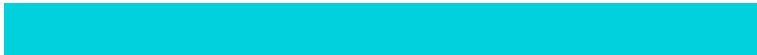
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.0012, 48.5795, 27.1892



30.2469, 48.5795, 46.8123



31.2652, 48.5795, 76.2885

Triad

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



30.2469, 48.5795, 46.8123



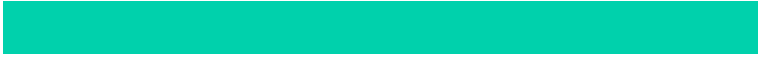
53.7474, 48.5795, 117.4711



58.0972, 48.5795, 21.0212

Complementary

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



30.2469, 48.5795, 46.8123



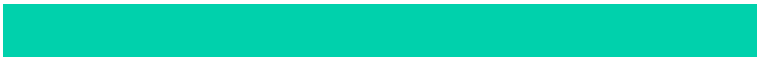
26.6303, 13.6904, 2.9923

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.



65.1965, 48.5795, 34.8511



30.2469, 48.5795, 46.8123



62.4532, 48.5795, 91.1620

Square

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



30.2469, 48.5795, 46.8123



43.9976, 48.5795, 124.1011



66.8914, 48.5795, 59.4826



48.4197, 48.5795, 15.9956

Rectangle

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



30.2469, 48.5795, 46.8123



34.0250, 48.5795, 97.5242



66.8914, 48.5795, 59.4826



60.9156, 48.5795, 24.5062

Sweetspot

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



30.2483, 48.5814, 46.8134



70.1802, 87.4223, 96.7506



23.6136, 46.0213, 7.6395



14.4513, 18.4251, 20.3650



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.



30.2483, 48.5814, 46.8134



47.3739, 76.1655, 73.0778



21.3065, 24.1978, 63.8714



12.0648, 13.3697, 14.6975



18.6818, 29.9656, 29.0341



1.0687, 1.6851, 1.7504

Inverse Universe

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



26.6303, 13.6904, 2.9923



41.7166, 21.4506, 4.4397



28.2560, 17.4767, 1.8851



11.8930, 11.8419, 12.7123



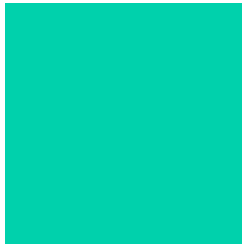
16.4442, 8.4505, 1.9794



0.9461, 0.4831, 0.2508

Previews

White Background



This preview shows how the XYZ color 30.2469, 48.5795, 46.8123 looks on a white background.

Color Contrast Check

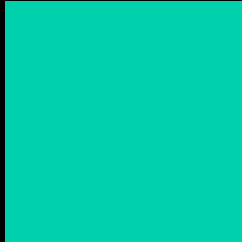
Large Text (above 18pt) WCAG AA × Fail

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 30.2469, 48.5795, 46.8123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

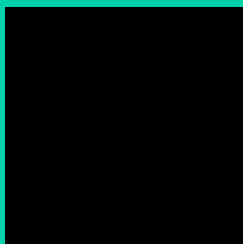
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

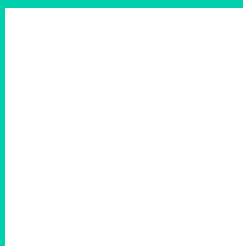
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2469, 48.5795, 46.8123

Background



This preview shows how black text looks on a background with the XYZ color 30.2469, 48.5795, 46.8123.

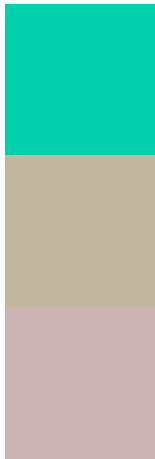


This preview shows how white text looks on a background with the XYZ color 30.2469, 48.5795,

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

30.2469, 48.5795, 46.8123

Protanopia

45.1838, 47.7076, 39.6279

Deuteranopia

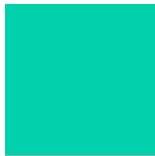
48.6857, 47.7920, 49.3066



Tritanopia

36.0666, 48.8184, 74.5398

Trichromacy



Original Color

30.2469, 48.5795, 46.8123



Protanomaly

33.7189, 44.5906, 41.9516



Deuteranomaly

35.0873, 44.1969, 47.7559



Tritanomaly

33.3287, 48.3582, 63.4546

Monochromacy



Original Color

30.2469, 48.5795, 46.8123



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.6024, 31.7460, 35.0206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2469, 48.5795, 46.8123 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, 209, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 172)  
}
```

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, 209, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 172) }
```

Border

The CSS property to change the border of an element to XYZ 30.2469, 48.5795, 46.8123 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, 209, 172) }
```


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

```
.border{ border-color:rgb(0, 209, 172) }
```

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

Here you see how a box with a 4 pixel rgb(0, 209, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2469, 48.5795, 46.8123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 172) }
```

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

```
.background{ background-color: rgb(0, 209,  
172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor