

Converting Colors

XYZ(27.6535, 46.7039, 35.4816)

Have a look what the booklet for
XYZ(27.6535, 46.7039, 35.4816)
contains.

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Color

**XYZ(27.7082, 46.7896,
35.5879)**

Conversions

Conversions Part 1

Format	Color
Hex	04CF94
RGB	4, 207, 148
RGB Percent	2%, 81%, 58%
CMY	0.9842, 0.1882, 0.4196
CMYK	0.98, 0.00, 0.29, 0.19
HSL	163°, 96%, 41%
HSV	163°, 98%, 81%
XYZ	27.7082, 46.7896, 35.5879
YIQ	139.5770, -102.0490, -61.3850

Conversions

Conversions Part 2

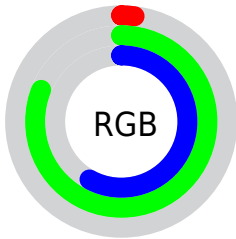
Format	Color
RYB	4, 123, 207
Decimal	315284
CIELab	74.05, -56.64, 17.50
CIELCh	74, 59.277, 162.829
Yxy	46.7896, 0.2517, 0.4250
Android (android.graphics.Color)	4278505364 (0xFF04CF94)
YUV	139.5770, 4.1525, -118.9010
Hunter-Lab	68.4029, -47.3995, 17.0353

Details

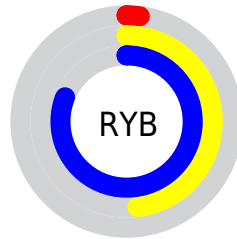
The XYZ color **27.7082, 46.7896, 35.5879** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.6746, 13.7124, 5.9470**, and the grayscale version is **24.7792, 26.0696, 28.3898**.

A 20% lighter version of the original color is **52.0142, 78.6678, 68.3201**, and **13.2243, 22.9963, 15.0510** is the 20% darker color. If you saturate the color by 10%, you get **27.5670, 46.7286, 35.1016**, and if you desaturate by 10%, it is **28.5421, 47.1642, 38.1794**.

Distribution



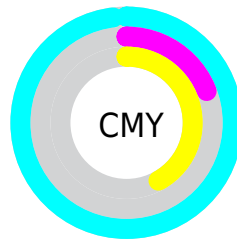
- Red (2%)
- Green (81%)
- Blue (58%)



- Red (2%)
- Yellow (48%)
- Blue (81%)



- Cyan (98%)
- Magenta (0%)
- Yellow (29%)
- Black (19%)





- Cyan (98%)
- Magenta (19%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7082, 46.7896, 35.5879 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 27.7082, 46.7896, 35.5879 by changing the saturation by 10% instead.


 27.7082, 46.7896,
35.5879


 27.7082, 46.7896,
35.5879


283.1754,
373.9741, 342.1385


 18.2451, 32.8694,
23.8289


 55.4301, 85.3995,
69.5574


 11.2269, 22.0264,
14.9957


 74.4197, 110.8579,
92.6050


 6.2881, 13.8763,
8.6698


 97.3155, 140.9312,
120.2525

 3.0633, 8.0347,
4.4326

 124.4829,
176.0037, 152.9186

 1.1873, 4.1171,
1.8655

 156.2873,
216.4598, 191.0217

 0.0963, 1.7393,
0.4707

193.0939,

 0.0000, 0.4489,

262.6840, 234.9803

0.0000

235.2681,
315.0606, 285.2131

■ 0.0000, 0.0000,
0.0000

■ 27.7082, 46.7896,
35.5879

■ 27.7082, 46.7896,
35.5879

■ 27.5670, 46.7286,
35.1016

■ 28.5421, 47.1642,
38.1794

■ 29.7629, 47.7342,
40.9192

■ 31.4566, 48.5450,
43.8141

■ 33.6808, 49.6263,
46.8688

■ 36.4849, 51.0036,
50.0872

■ 39.9122, 52.6990,
53.4731

■ 44.0019, 54.7328,
57.0302

■ 48.7899, 57.1235,
60.7617

■ 54.3094, 59.8881,
64.6709

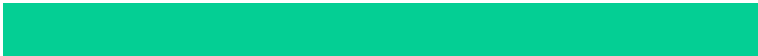
Harmonies

Analogous

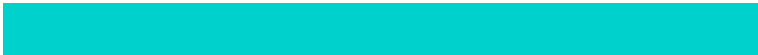
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.0098, 46.7896, 19.0161



27.7082, 46.7896, 35.5879



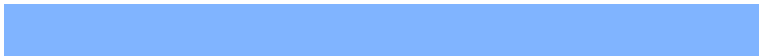
27.4177, 46.7896, 65.0309

Triad

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



27.7082, 46.7896, 35.5879



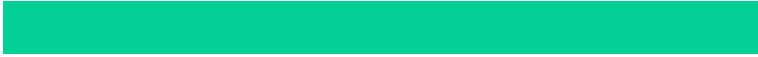
49.1510, 46.7896, 131.6456



61.1502, 46.7896, 20.6835

Complementary

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



27.7082, 46.7896, 35.5879



26.6746, 13.7124, 5.9470

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.



67.4424, 46.7896, 39.0574



27.7082, 46.7896, 35.5879



59.8102, 46.7896, 106.8392

Square

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



27.7082, 46.7896, 35.5879



38.7241, 46.7896, 129.5023



66.9163, 46.7896, 70.1873



50.7625, 46.7896, 13.0594

Rectangle

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



27.7082, 46.7896, 35.5879



29.4548, 46.7896, 89.5778



66.9163, 46.7896, 70.1873



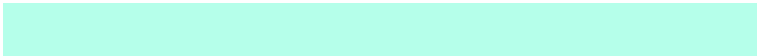
63.8833, 46.7896, 25.4083

Sweetspot

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



27.7095, 46.7914, 35.5890



69.6080, 87.2619, 90.6438



24.5102, 45.7571, 7.6557



14.2778, 18.3685, 18.8708



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.



27.7095, 46.7914, 35.5890



44.0880, 74.8512, 55.7744



25.0236, 31.9518, 63.8821



12.0058, 13.3461, 14.3869



17.4107, 29.4572, 22.3406



1.0071, 1.6605, 1.4260

Inverse Universe

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



26.6746, 13.7124, 5.9470



42.4802, 21.7561, 8.4605



26.6790, 15.1225, 1.6283



11.9481, 11.8640, 13.0023



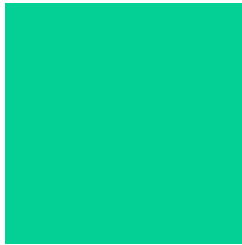
16.7651, 8.5789, 3.6692



0.9720, 0.4935, 0.3874

Previews

White Background



This preview shows how the XYZ color 27.7082, 46.7896, 35.5879 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 27.7082, 46.7896, 35.5879 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 27.7082, 46.7896, 35.5879

Background



This preview shows how black text looks on a background with the XYZ color 27.7082, 46.7896, 35.5879.

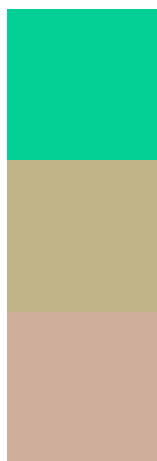


This preview shows how white text looks on a background with the XYZ color 27.7082, 46.7896,

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

27.7082, 46.7896, 35.5879

Protanopia

42.7575, 45.7575, 29.8711

Deuteranopia

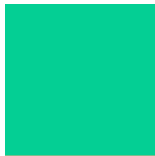
46.7846, 45.9041, 37.4049



Tritanopia

34.9141, 46.5597, 71.4367

Trichromacy



Original Color

27.7082, 46.7896, 35.5879



Protanomaly

31.4593, 43.0054, 31.4537



Deuteranomaly

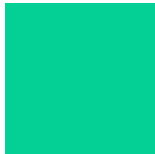
32.8993, 42.3714, 36.1503



Tritanomaly

31.3728, 46.0928, 56.5335

Monochromacy



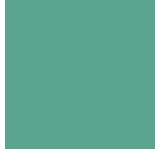
Original Color

27.7082, 46.7896, 35.5879



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

22.5478, 30.7582, 30.7351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7082, 46.7896, 35.5879 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(4, 207, 148)` looks like.

```
.text, #text, p{  
    color:rgb(4, 207, 148)  
}
```

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(4, 207, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 207, 148) }
```

Border

The CSS property to change the border of an element to XYZ 27.7082, 46.7896, 35.5879 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(4, 207, 148) }
```


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

```
.border{ border-color:rgb(4, 207, 148) }
```

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

Here you see how a box with a 4 pixel rgb(4, 207, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 207, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 207, 148);  
box-shadow:4px 4px 4px 4px rgb(4, 207,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7082, 46.7896, 35.5879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 207, 148) }
```

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

```
.background{ background-color: rgb(4, 207,  
148) }
```

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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