

Converting Colors

XYZ(27.1966, 46.4049, 33.6920)

Have a look what the booklet for
XYZ(27.1966, 46.4049, 33.6920)
contains.

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Color

**XYZ(27.2707, 46.6088,
33.5457)**

Conversions

Conversions Part 1

Format	Color
Hex	00CF8F
RGB	0, 207, 143
RGB Percent	0%, 81%, 56%
CMY	0.9999, 0.1882, 0.4392
CMYK	1.00, 0.00, 0.31, 0.19
HSL	161°, 100%, 41%
HSV	161°, 100%, 81%
XYZ	27.2707, 46.6088, 33.5457
YIQ	137.8110, -102.8280, -63.7880

Conversions

Conversions Part 2

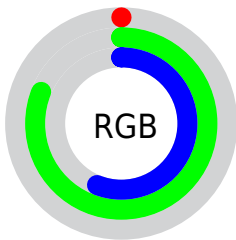
Format	Color
RYB	0, 122, 207
Decimal	53135
CIELab	73.94, -57.89, 19.99
CIELCh	74, 61.242, 160.951
Yxy	46.6088, 0.2539, 0.4339
Android (android.graphics.Color)	4278243215 (0xFF00CF8F)
YUV	137.8110, 2.5582, -120.8602
Hunter-Lab	68.2706, -48.1718, 18.6565

Details

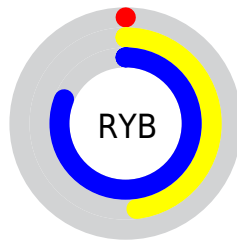
The XYZ color **27.2707, 46.6088, 33.5457** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.6592, 13.6366, 6.0802**, and the grayscale version is **24.1065, 25.3619, 27.6192**.

A 20% lighter version of the original color is **51.4316, 78.4348, 65.2520**, and **12.9984, 22.9059, 13.8614** is the 20% darker color. If you saturate the color by 10%, you get **27.2713, 46.6104, 33.5448**, and if you desaturate by 10%, it is **28.0740, 46.9665, 36.1884**.

Distribution



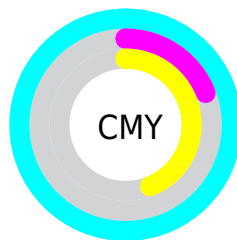
- Red (0%)
- Green (81%)
- Blue (56%)



- Red (0%)
- Yellow (48%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2707, 46.6088, 33.5457 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 27.2707, 46.6088, 33.5457 by changing the saturation by 10% instead.

 27.2707, 46.6088,
33.5457


 27.2707, 46.6088,
33.5457


281.1091,
373.2508, 332.8087


 17.9143, 32.7265,
22.2703


 54.7348, 85.1294,
66.3524


 10.9878, 21.9170,
13.8554


 73.5731, 110.5365,
88.7207


 6.1258, 13.7959,
7.8826


 96.3028, 140.5539,
115.6237

 2.9631, 7.9789,
3.9332

 123.2893,
175.5662, 147.4801

 1.1343, 4.0814,
1.5888

 154.8977,
215.9576, 184.7082

 0.0535, 1.7192,
0.2828

191.4936,

 0.0000, 0.4361,

262.1126, 227.7266

0.0000

233.4423,
314.4155, 276.9539

■ 0.0000, 0.0000,
0.0000

■ 27.2707, 46.6088,
33.5457

■ 27.2707, 46.6088,
33.5457

■ 27.2713, 46.6104,
33.5448

■ 28.0740, 46.9665,
36.1884

■ 29.2289, 47.5010,
38.9933

■ 30.8474, 48.2711,
41.9690

■ 32.9892, 49.3078,
45.1204

■ 35.7052, 50.6370,
48.4522

■ 39.0396, 52.2816,
51.9685

■ 43.0326, 54.2622,
55.6733

■ 47.7207, 56.5975,
59.5703

■ 53.1376, 59.3051,
63.6631

Harmonies

Analogous

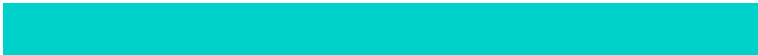
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.9153, 46.6088, 17.5352



27.2707, 46.6088, 33.5457



26.7192, 46.6088, 63.0505

Triad

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



27.2707, 46.6088, 33.5457



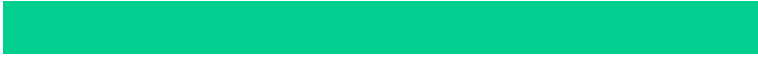
48.4097, 46.6088, 135.6313



62.1244, 46.6088, 20.6607

Complementary

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



27.2707, 46.6088, 33.5457



26.6592, 13.6366, 6.0802

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.



68.2754, 46.6088, 40.1617



27.2707, 46.6088, 33.5457



59.5348, 46.6088, 111.0550

Square

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



27.2707, 46.6088, 33.5457



37.7953, 46.6088, 131.4431



67.2567, 46.6088, 73.0114



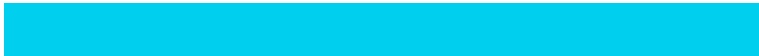
51.5118, 46.6088, 12.4904

Rectangle

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



27.2707, 46.6088, 33.5457



28.6240, 46.6088, 88.3806



67.2567, 46.6088, 73.0114



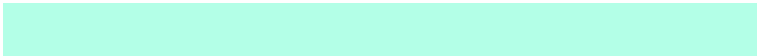
64.8554, 46.6088, 25.6805

Sweetspot

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



27.2719, 46.6106, 33.5468



68.7078, 86.8333, 88.9969



24.5311, 45.7704, 7.5421



14.0971, 18.2834, 18.4998



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.



27.2719, 46.6106, 33.5468



43.6116, 74.6606, 53.2660



25.4615, 32.9020, 64.0424



11.9962, 13.3422, 14.3366



17.2257, 29.3832, 21.3663



0.9979, 1.6568, 1.3774

Inverse Universe

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



26.6592, 13.6366, 6.0802



42.6457, 21.8223, 9.3325



26.4251, 14.6499, 1.4354



11.9571, 11.8676, 13.0500



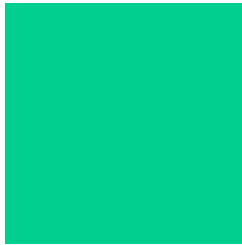
16.8331, 8.6061, 4.0274



0.9767, 0.4954, 0.4120

Previews

White Background



This preview shows how the XYZ color 27.2707, 46.6088, 33.5457 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 27.2707, 46.6088, 33.5457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

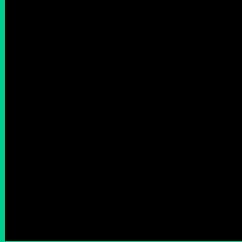
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.2707, 46.6088, 33.5457

Background



This preview shows how black text looks on a background with the XYZ color 27.2707, 46.6088, 33.5457.

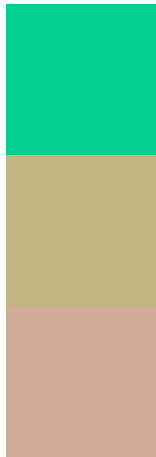


This preview shows how white text looks on a background with the XYZ color 27.2707, 46.6088,

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

27.2707, 46.6088, 33.5457

Protanopia

42.6661, 45.7505, 28.0547

Deuteranopia

46.5419, 45.5314, 35.6136



Tritanopia

34.8575, 46.5453, 70.7653

Trichromacy



Original Color

27.2707, 46.6088, 33.5457



Protanomaly

30.9550, 42.7871, 29.5489



Deuteranomaly

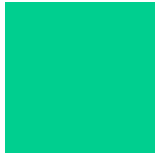
32.2100, 41.7416, 34.3763



Tritanomaly

31.0459, 45.9620, 54.8122

Monochromacy



Original Color

27.2707, 46.6088, 33.5457



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.8553, 30.1625, 29.4810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2707, 46.6088, 33.5457 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, 207, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 143)  
}
```

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, 207, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 143) }
```

Border

The CSS property to change the border of an element to XYZ 27.2707, 46.6088, 33.5457 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, 207, 143) }
```


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

```
.border{ border-color:rgb(0, 207, 143) }
```

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

Here you see how a box with a 4 pixel rgb(0, 207, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2707, 46.6088, 33.5457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 143) }
```

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

```
.background{ background-color: rgb(0, 207,  
143) }
```

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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