

Converting Colors

XYZ(27.8385, 46.8937, 36.3571)

Have a look what the booklet for
XYZ(27.8385, 46.8937, 36.3571)
contains.

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Color

**XYZ(27.8178, 46.8277,
36.4267)**

Conversions

Conversions Part 1

Format	Color
Hex	00CF96
RGB	0, 207, 150
RGB Percent	0%, 81%, 59%
CMY	0.9999, 0.1882, 0.4118
CMYK	1.00, 0.00, 0.28, 0.19
HSL	163°, 100%, 41%
HSV	163°, 100%, 81%
XYZ	27.8178, 46.8277, 36.4267
YIQ	138.6090, -105.0750, -61.6110

Conversions

Conversions Part 2

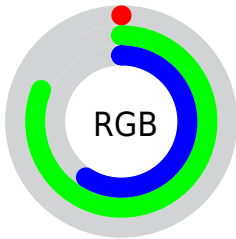
Format	Color
RYB	0, 120, 207
Decimal	53142
CIELab	74.08, -56.30, 16.47
CIELCh	74, 58.663, 163.696
Yxy	46.8277, 0.2504, 0.4216
Android (android.graphics.Color)	4278243222 (0xFF00CF96)
YUV	138.6090, 5.6158, -121.5601
Hunter-Lab	68.4308, -47.1918, 16.3406

Details

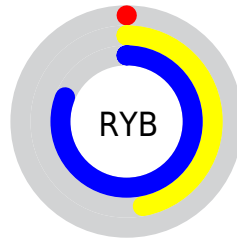
The XYZ color **27.8178, 46.8277, 36.4267** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.4722, 13.5618, 5.0956**, and the grayscale version is **24.4008, 25.6715, 27.9563**.

A 20% lighter version of the original color is **52.2526, 78.7632, 69.5756**, and **13.3187, 23.0341, 15.5484** is the 20% darker color. If you saturate the color by 10%, you get **27.8185, 46.8293, 36.4260**, and if you desaturate by 10%, it is **28.5925, 47.1739, 38.9191**.

Distribution



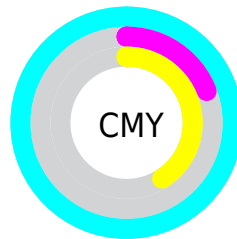
- Red (0%)
- Green (81%)
- Blue (59%)



- Red (0%)
- Yellow (47%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8178, 46.8277, 36.4267 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 27.8178, 46.8277, 36.4267 by changing the saturation by 10% instead.


 27.8178, 46.8277,
36.4267


 27.8178, 46.8277,
36.4267


283.6912,
374.1264, 345.9154


 18.3281, 32.8995,
24.4716


 55.6041, 85.4564,
70.8666


 11.2869, 22.0494,
15.4684

 74.6314, 110.9256,
94.1885


 6.3289, 13.8932,
8.9985


 97.5687, 141.0106,
122.1364

 3.0886, 8.0464,
4.6434

 124.7812,
176.0958, 155.1289

 1.2008, 4.1247,
1.9846

 156.6343,
216.5656, 193.5845

 0.1070, 1.7436,
0.5458

193.4935,

 0.0000, 0.4516,

262.8044, 237.9218

0.0000

235.7240,
315.1965, 288.5592

■ 0.0000, 0.0000,
0.0000

■ 27.8178, 46.8277,
36.4267

■ 27.8178, 46.8277,
36.4267

■ 27.8185, 46.8293,
36.4260

■ 28.5925, 47.1739,
38.9191

■ 29.7135, 47.6948,
41.5449

■ 31.2923, 48.4491,
44.3119

■ 33.3887, 49.4676,
47.2244

■ 36.0534, 50.7763,
50.2864

■ 39.3306, 52.3980,
53.5013

■ 43.2603, 54.3533,
56.8726

■ 47.8787, 56.6608,
60.4033

■ 53.2197, 59.3379,
64.0964

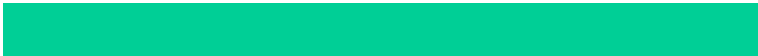
Harmonies

Analogous

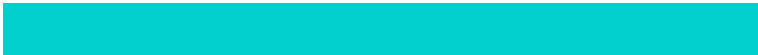
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.9756, 46.8277, 19.5837



27.8178, 46.8277, 36.4267



27.6444, 46.8277, 65.9270

Triad

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



27.8178, 46.8277, 36.4267



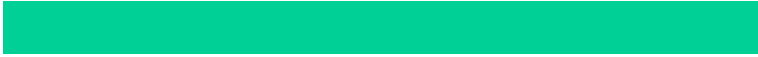
49.4578, 46.8277, 130.2407



60.7457, 46.8277, 20.5828

Complementary

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



27.8178, 46.8277, 36.4267



26.4722, 13.5618, 5.0956

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.



67.1265, 46.8277, 38.4946



27.8178, 46.8277, 36.4267



59.9503, 46.8277, 105.2073

Square

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



27.8178, 46.8277, 36.4267



39.0816, 46.8277, 128.9730



66.8144, 46.8277, 68.9880



50.4154, 46.8277, 13.2083

Rectangle

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



27.8178, 46.8277, 36.4267



29.7453, 46.8277, 90.2271



66.8144, 46.8277, 68.9880



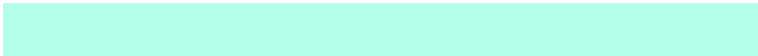
63.4911, 46.8277, 25.1816

Sweetspot

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



27.8191, 46.8295, 36.4278



69.0767, 86.9809, 90.9397



24.0974, 45.5469, 7.5218



14.1855, 18.3188, 18.9656



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.



27.8191, 46.8295, 36.4278



44.4934, 75.0134, 57.9094



24.2110, 30.4010, 63.6257



12.0137, 13.3492, 14.4284



17.5680, 29.5201, 23.1690



1.0149, 1.6636, 1.4669

Inverse Universe

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



26.4722, 13.5618, 5.0956



42.3526, 21.7050, 7.7886



26.6664, 15.1323, 1.5158



11.9406, 11.8610, 12.9630



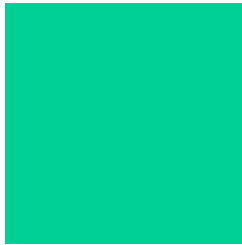
16.7124, 8.5578, 3.3918



0.9683, 0.4920, 0.3678

Previews

White Background



This preview shows how the XYZ color 27.8178, 46.8277, 36.4267 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 27.8178, 46.8277, 36.4267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

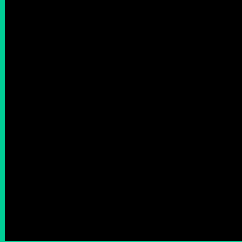
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

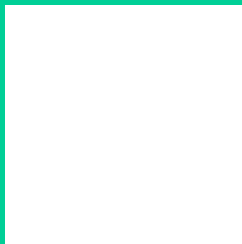
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8178, 46.8277, 36.4267

Background



This preview shows how black text looks on a background with the XYZ color 27.8178, 46.8277, 36.4267.



This preview shows how white text looks on a background with the XYZ color 27.8178, 46.8277,

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

27.8178, 46.8277, 36.4267

Protanopia

42.9010, 45.8150, 30.6268

Deuteranopia

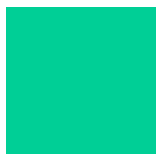
46.6755, 45.8282, 38.2840



Tritanopia

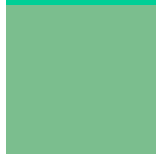
35.0731, 46.9821, 71.5099

Trichromacy



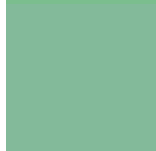
Original Color

27.8178, 46.8277, 36.4267



Protanomaly

31.4643, 42.9909, 32.2309



Deuteranomaly

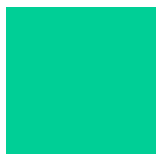
32.7517, 42.2762, 37.0058



Tritanomaly

31.5208, 46.5162, 56.6074

Monochromacy



Original Color

27.8178, 46.8277, 36.4267



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.2579, 30.6088, 30.7216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8178, 46.8277, 36.4267 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 150) }
```

Border

The CSS property to change the border of an element to XYZ 27.8178, 46.8277, 36.4267 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, 150) }
```


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

```
.border{ border-color:rgb(0, 207, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8178, 46.8277, 36.4267 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, 150) }
```

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

```
.background{ background-color: rgb(0, 207,  
150) }
```

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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