

Converting Colors

XYZ(21.7701, 44.2877, 30.4872)

Have a look what the booklet for
XYZ(21.7701, 44.2877, 30.4872)
contains.

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Color

**XYZ(26.9290, 46.8610,
30.5474)**

Conversions

Conversions Part 1

Format	Color
Hex	00D087
RGB	0, 208, 135
RGB Percent	0%, 82%, 53%
CMY	0.9999, 0.1843, 0.4706
CMYK	1.00, 0.00, 0.35, 0.18
HSL	159°, 100%, 41%
HSV	159°, 100%, 82%
XYZ	26.9290, 46.8610, 30.5474
YIQ	137.4860, -100.5350, -66.7990

Conversions

Conversions Part 2

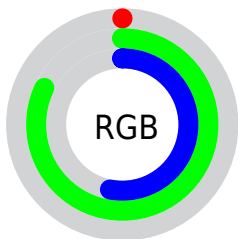
Format	Color
RYB	0, 126, 208
Decimal	53383
CIELab	74.10, -59.97, 24.42
CIELCh	74, 64.750, 157.846
Yxy	46.8610, 0.2581, 0.4491
Android (android.graphics.Color)	4278243463 (0xFF00D087)
YUV	137.4860, -1.2256, -120.5752
Hunter-Lab	68.4551, -49.5777, 21.4610

Details

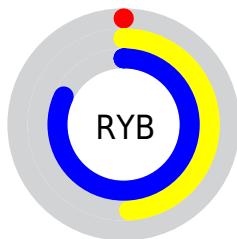
The XYZ color **26.9290, 46.8610, 30.5474** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **27.2167, 13.8920, 7.5531**, and the grayscale version is **23.9961, 25.2457, 27.4926**.

A 20% lighter version of the original color is **50.5388, 78.0777, 60.5509**, and **12.8679, 23.1123, 12.3773** is the 20% darker color. If you saturate the color by 10%, you get **26.9297, 46.8626, 30.5465**, and if you desaturate by 10%, it is **27.7673, 47.2330, 33.3639**.

Distribution



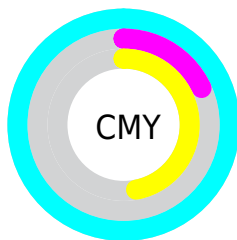
- Red (0%)
- Green (82%)
- Blue (53%)



- Red (0%)
- Yellow (49%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (18%)



- Cyan (100%)
- Magenta (18%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9290, 46.8610, 30.5474 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 26.9290, 46.8610, 30.5474 by changing the saturation by 10% instead.

■ 26.9290, 46.8610,
30.5474

■ 26.9290, 46.8610,
30.5474

279.4870,
374.2594, 318.7341

■ 17.6562, 32.9258,
19.9989

■ 54.1906, 85.5061,
61.5980

■ 10.8016, 22.0696,
12.2102

■ 72.9101, 110.9848,
82.9371

■ 5.9999, 13.9080,
6.7627

■ 95.5093, 141.0801,
108.7103

■ 2.8857, 8.0567,
3.2380

■ 122.3535,
176.1763, 139.3359

■ 1.0936, 4.1313,
1.2174

■ 153.8079,
216.6580, 175.2325

■ 0.0198, 1.7473,
0.0000

190.2381,

■ 0.0000, 0.4540,

262.9095, 216.8188

0.0000

232.0094,
315.3152, 264.5131

■ 0.0000, 0.0000,
0.0000

■ 26.9290, 46.8610,
30.5474

■ 26.9290, 46.8610,
30.5474

■ 26.9297, 46.8626,
30.5465

■ 27.7673, 47.2330,
33.3639

■ 28.9690, 47.7869,
36.3840

■ 30.6471, 48.5821,
39.6174

■ 32.8625, 49.6500,
43.0703

■ 35.6665, 51.0171,
46.7486

■ 39.1046, 52.7065,
50.6574

■ 43.2172, 54.7391,
54.8018

■ 48.0415, 57.1341,
59.1866

■ 53.6119, 59.9091,
63.8164

Harmonies

Analogous

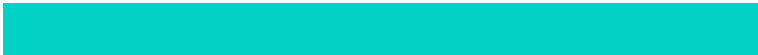
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.2222, 46.8610, 15.4050



26.9290, 46.8610, 30.5474



25.9151, 46.8610, 60.2379

Triad

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



26.9290, 46.8610, 30.5474



47.6507, 46.8610, 143.9183



64.5498, 46.8610, 21.0360

Complementary

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



26.9290, 46.8610, 30.5474



27.2167, 13.8920, 7.5531

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.



70.4550, 46.8610, 42.8005



26.9290, 46.8610, 30.5474



59.6540, 46.8610, 119.8082

Square

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



26.9290, 46.8610, 30.5474



36.6561, 46.8610, 135.8623



68.5231, 46.8610, 79.0634



53.4803, 46.8610, 11.8084

Rectangle

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



26.9290, 46.8610, 30.5474



27.6030, 46.8610, 87.0035



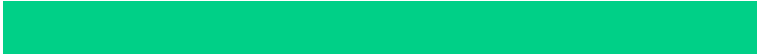
68.5231, 46.8610, 79.0634



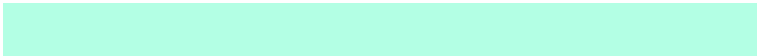
67.2848, 46.8610, 26.6478

Sweetspot

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



26.9302, 46.8629, 30.5485



68.2594, 86.6540, 86.6358



25.5594, 46.6614, 7.6599



13.9899, 18.2405, 17.9351



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.



26.9302, 46.8629, 30.5485



42.5970, 74.2548, 47.9230



27.7619, 37.3066, 65.4144



11.9748, 13.3337, 14.2237



16.8307, 29.2252, 19.2866



0.9779, 1.6488, 1.2723

Inverse Universe

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



27.2167, 13.8920, 7.5531



43.0643, 21.9897, 11.5368



26.4228, 14.2290, 1.3543



11.9776, 11.8758, 13.1580



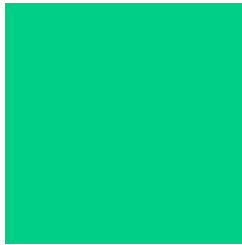
17.0037, 8.6743, 4.9255



0.9880, 0.4999, 0.4714

Previews

White Background



This preview shows how the XYZ color 26.9290, 46.8610, 30.5474 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 26.9290, 46.8610, 30.5474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

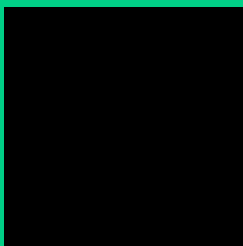
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

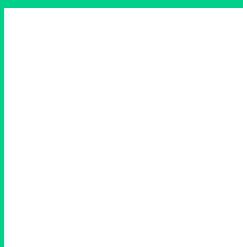
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.9290, 46.8610, 30.5474

Background



This preview shows how black text looks on a background with the XYZ color 26.9290, 46.8610, 30.5474.



This preview shows how white text looks on a background with the XYZ color 26.9290, 46.8610,

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

26.9290, 46.8610, 30.5474

Protanopia

42.8640, 46.2136, 25.3998

Deuteranopia

46.7655, 45.7192, 32.3465



Tritanopia

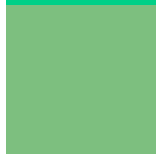
35.0793, 46.6597, 70.7757

Trichromacy



Original Color

26.9290, 46.8610, 30.5474



Protanomaly

30.9190, 43.1539, 26.7786



Deuteranomaly

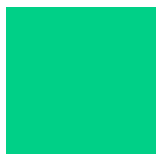
32.1240, 42.0796, 31.2400



Tritanomaly

31.0042, 46.3247, 53.2064

Monochromacy



Original Color

26.9290, 46.8610, 30.5474



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.4716, 29.9982, 27.9511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9290, 46.8610, 30.5474 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, 208, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 135)  
}
```

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, 208, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 135) }
```

Border

The CSS property to change the border of an element to XYZ 26.9290, 46.8610, 30.5474 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, 208, 135) }
```


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

```
.border{ border-color:rgb(0, 208, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 26.9290, 46.8610, 30.5474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 135) }
```

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

```
.background{ background-color: rgb(0, 208,  
135) }
```

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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