

Converting Colors

XYZ(23.8457, 50.8295, 25.8308)

Have a look what the booklet for
XYZ(23.8457, 50.8295, 25.8308)
contains.

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Color

**XYZ(29.3913, 53.5506,
25.9268)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00DE76 |
| RGB | 0, 222, 118 |
| RGB Percent | 0%, 87%, 46% |
| CMY | 1.0000, 0.1294, 0.5372 |
| CMYK | 1.00, 0.00, 0.47, 0.13 |
| HSL | 152°, 100%, 44% |
| HSV | 152°, 100%, 87% |
| XYZ | 29.3913, 53.5506, 25.9268 |
| YIQ | 143.7660, -98.9280, -79.4080 |

Conversions

Conversions Part 2

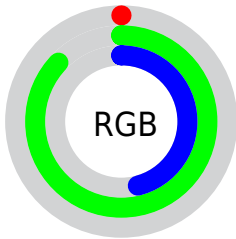
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 145, 222 |
| Decimal | 56950 |
| CIELab | 78.20, -67.92, 38.45 |
| CIELCh | 78, 78.044, 150.485 |
| Yxy | 53.5506, 0.2700, 0.4919 |
| Android (android.graphics.Color) | 4278247030 (0xFF00DE76) |
| YUV | 143.7660, -12.7026, -126.0828 |
| Hunter-Lab | 73.1783, -56.3693, 30.2186 |

Details

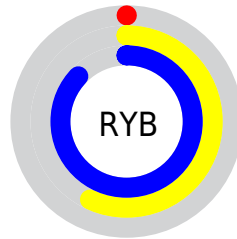
The XYZ color **29.3913, 53.5506, 25.9268** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **32.6249, 16.5302, 14.5712**, and the grayscale version is **26.4953, 27.8751, 30.3560**.

A 20% lighter version of the original color is **49.2698, 77.6244, 51.4159**, and **14.4683, 27.3155, 9.8201** is the 20% darker color. If you saturate the color by 10%, you get **29.3922, 53.5526, 25.9263**, and if you desaturate by 10%, it is **30.3808, 53.9868, 29.3809**.

Distribution



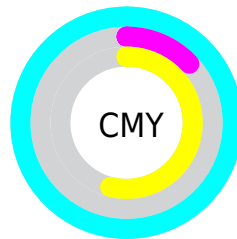
- Red (0%)
- Green (87%)
- Blue (46%)



- Red (0%)
- Yellow (57%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3913, 53.5506, 25.9268 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 29.3913, 53.5506, 25.9268 by changing the saturation by 10% instead.


 29.3913, 53.5506,
25.9268


 29.3913, 53.5506,
25.9268


291.0178,
400.3940, 296.0166


 19.5228, 38.2425,
16.5436


 58.0915, 95.4141,
54.1395

 12.1549, 26.1709,
9.7511

 77.6539, 122.7382,
73.8060


 6.9222, 16.9516,
5.1308


 101.1783,
154.8365, 97.7375

 3.4594, 10.2000,
2.2641

 129.0300,
192.0934, 126.3523

 1.4011, 5.5317,
0.7110

 161.5745,
234.8932, 160.0691

 0.2570, 2.5625,
0.0000

199.1770,

 0.0000, 0.9079,

283.6202, 199.3064

0.0000

242.2030,
338.6591, 244.4827

■ 0.0000, 0.0000,
0.0000

■ 29.3913, 53.5506,
25.9268

■ 29.3913, 53.5506,
25.9268

■ 29.3922, 53.5526,
25.9263

■ 30.3808, 53.9868,
29.3809

■ 31.8247, 54.6476,
33.2219

■ 33.8518, 55.6007,
37.4675

■ 36.5350, 56.8835,
42.1311

■ 39.9359, 58.5275,
47.2254

■ 44.1088, 60.5605,
52.7622

■ 49.1024, 63.0074,
58.7529

■ 54.9613, 65.8910,
65.2083

■ 61.7268, 69.2323,
72.1388

Harmonies

Analogous

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



37.4135, 53.5506, 11.7270



29.3913, 53.5506, 25.9268



26.8291, 53.5506, 59.0215

Triad

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



29.3913, 53.5506, 25.9268



51.1470, 53.5506, 189.2176



80.6117, 53.5506, 25.2158

Complementary

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



29.3913, 53.5506, 25.9268



32.6249, 16.5302, 14.5712

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.



86.2494, 53.5506, 57.5992



29.3913, 53.5506, 25.9268



67.2867, 53.5506, 164.8802

Square

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



29.3913, 53.5506, 25.9268



37.7649, 53.5506, 166.3064



80.9495, 53.5506, 110.2949



66.7700, 53.5506, 11.4845

Rectangle

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



29.3913, 53.5506, 25.9268



28.0577, 53.5506, 92.9475



80.9495, 53.5506, 110.2949



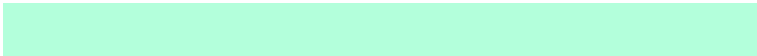
83.6397, 53.5506, 33.5610

Sweetspot

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



29.3926, 53.5528, 25.9280



67.0424, 86.1672, 80.2271



32.2229, 55.3896, 8.9933



13.7004, 18.1247, 16.4110



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.



29.3926, 53.5528, 25.9280



40.1710, 73.2844, 35.1478



38.3358, 55.5748, 77.8165



13.8317, 15.4584, 16.1491



17.5144, 31.8306, 15.6977



1.2591, 2.2244, 1.3258

Inverse Universe

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



32.6249, 16.5302, 14.5712



44.5978, 22.6031, 19.6118



30.1657, 15.6108, 1.4236



13.9731, 13.8069, 15.6288



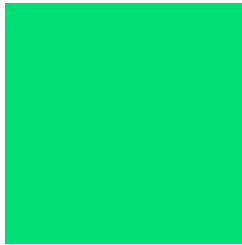
19.4326, 9.8401, 8.9440



1.3919, 0.7000, 0.8566

Previews

White Background



This preview shows how the XYZ color 29.3913, 53.5506, 25.9268 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 29.3913, 53.5506, 25.9268 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 29.3913, 53.5506, 25.9268

Background



This preview shows how black text looks on a background with the XYZ color 29.3913, 53.5506, 25.9268.



This preview shows how white text looks on a background with the XYZ color 29.3913, 53.5506,

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

29.3913, 53.5506, 25.9268

Protanopia

48.3674, 52.6097, 21.5154

Deuteranopia

53.3974, 52.2223, 27.3442



Tritanopia

40.5679, 53.5241, 80.8661

Trichromacy



Original Color

29.3913, 53.5506, 25.9268



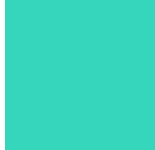
Protanomaly

34.0567, 48.9279, 22.6880



Deuteranomaly

35.4584, 47.4987, 26.3681



Tritanomaly

34.4844, 52.4379, 55.3177

Monochromacy



Original Color

29.3913, 53.5506, 25.9268



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.5393, 33.5296, 28.1529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3913, 53.5506, 25.9268 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, 222, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 118)  
}
```

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, 222, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 118) }
```

Border

The CSS property to change the border of an element to XYZ 29.3913, 53.5506, 25.9268 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, 222, 118) }
```


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

```
.border{ border-color:rgb(0, 222, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3913, 53.5506, 25.9268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 118) }
```

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

```
.background{ background-color: rgb(0, 222,  
118) }
```

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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