

Converting Colors

XYZ(29.3338, 54.7131, 20.9336)

Have a look what the booklet for
XYZ(29.3338, 54.7131, 20.9336)
contains.

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Color

**XYZ(29.3910, 54.8614,
20.8446)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 10E163 |
| RGB | 16, 225, 99 |
| RGB Percent | 6%, 88%, 39% |
| CMY | 0.9372, 0.1176, 0.6118 |
| CMYK | 0.93, 0.00, 0.56, 0.12 |
| HSL | 144°, 87%, 47% |
| HSV | 144°, 93%, 88% |
| XYZ | 29.3910, 54.8614, 20.8446 |
| YIQ | 148.1450, -84.1180, -83.4940 |

Conversions

Conversions Part 2

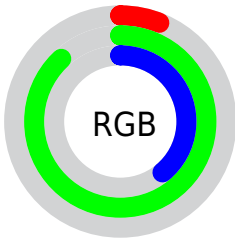
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 16, 166, 225 |
| Decimal | 1106275 |
| CIELab | 78.96, -71.20, 48.46 |
| CIElCh | 79, 86.129, 145.762 |
| Yxy | 54.8614, 0.2797, 0.5220 |
| Android (android.graphics.Color) | 4279296355 (0xFF10E163) |
| YUV | 148.1450, -24.2285, -115.8912 |
| Hunter-Lab | 74.0685, -58.7895, 35.1623 |

Details

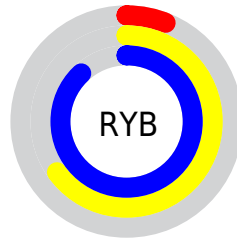
The XYZ color **29.3910, 54.8614, 20.8446** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **36.1209, 18.3321, 27.2285**, and the grayscale version is **28.3336, 29.8092, 32.4622**.

A 20% lighter version of the original color is **48.0653, 77.1994, 42.5047**, and **14.4958, 28.2025, 7.2644** is the 20% darker color. If you saturate the color by 10%, you get **28.7443, 54.5797, 18.5492**, and if you desaturate by 10%, it is **30.7008, 55.4568, 24.5819**.

Distribution



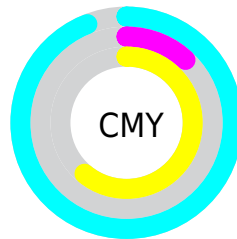
- Red (6%)
- Green (88%)
- Blue (39%)



- Red (6%)
- Yellow (65%)
- Blue (88%)



- Cyan (93%)
- Magenta (0%)
- Yellow (56%)
- Black (12%)





- Cyan (94%)
- Magenta (12%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3910, 54.8614, 20.8446 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 29.3910, 54.8614, 20.8446 by changing the saturation by 10% instead.


 29.3910, 54.8614,
20.8446


 29.3910, 54.8614,
20.8446


291.0164,
405.3863, 269.2053


 19.5226, 39.2908,
12.8203


 58.0910, 97.3379,
45.7062

 12.1547, 26.9860,
7.1757


 77.6533, 125.0125,
63.3806


 6.9221, 17.5627,
3.4921


 101.1776,
157.4905, 85.1088

 3.4593, 10.6365,
1.3511

 129.0292,
195.1564, 111.3093

 1.4011, 5.8230,
0.1031

 161.5736,
238.3946, 142.4006

 0.2570, 2.7377,
0.0000

199.1760,

 0.0000, 0.9964,

287.5893, 178.8014

0.0000

242.2018,
343.1251, 220.9301

■ 0.0000, 0.0000,
0.0000

■ 29.3910, 54.8614,
20.8446

■ 29.3910, 54.8614,
20.8446

■ 28.7443, 54.5797,
18.5492

■ 30.7008, 55.4568,
24.5819

■ 32.6257, 56.3546,
28.9418

■ 35.2499, 57.5992,
33.9545

■ 38.6426, 59.2258,
39.6463

■ 42.8642, 61.2649,
46.0423

■ 47.9687, 63.7440,
53.1662

■ 54.0056, 66.6881,
61.0403

■ 61.0203, 70.1202,
69.6861

■ 69.0554, 74.0618,
79.1243

Harmonies

Analogous

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



39.1060, 54.8614, 8.7049



29.3910, 54.8614, 20.8446



25.7242, 54.8614, 53.0354

Triad

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



29.3910, 54.8614, 20.8446



49.7492, 54.8614, 211.6928



87.7618, 54.8614, 27.4157

Complementary

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



29.3910, 54.8614, 20.8446



36.1209, 18.3321, 27.2285

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.



92.3411, 54.8614, 66.9757



29.3910, 54.8614, 20.8446



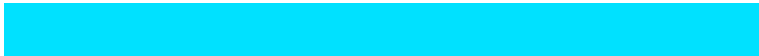
67.7991, 54.8614, 191.2109

Square

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



29.3910, 54.8614, 20.8446



35.7302, 54.8614, 176.4751



84.3648, 54.8614, 130.0216



72.9432, 54.8614, 10.7801

Rectangle

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



29.3910, 54.8614, 20.8446



26.4474, 54.8614, 89.1761



84.3648, 54.8614, 130.0216



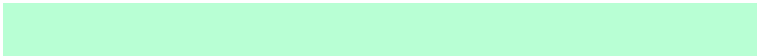
90.6713, 54.8614, 37.6119

Sweetspot

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



29.3923, 54.8636, 20.8459



67.3094, 86.4122, 75.3888



38.6772, 59.8995, 10.0137



13.6906, 18.1467, 15.1870



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.



29.3923, 54.8636, 20.8459



38.1220, 72.4648, 24.3581



37.6381, 58.1619, 64.2674



13.7531, 15.4270, 15.7352



16.6170, 31.4717, 10.9722



1.1951, 2.1987, 0.9883

Inverse Universe

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



36.1209, 18.3321, 27.2285



47.0506, 23.5843, 32.5283



31.6276, 16.5348, 3.5670



14.0525, 13.8386, 16.0466



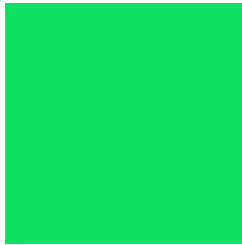
20.4987, 10.2665, 14.5578



1.4646, 0.7291, 1.2396

Previews

White Background



This preview shows how the XYZ color 29.3910, 54.8614, 20.8446 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 29.3910, 54.8614, 20.8446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

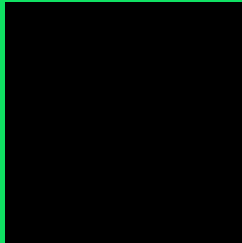
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.3910, 54.8614, 20.8446

Background



This preview shows how black text looks on a background with the XYZ color 29.3910, 54.8614, 20.8446.

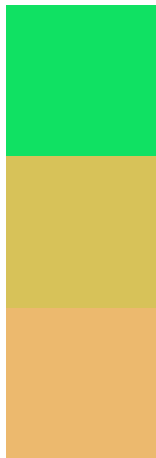


This preview shows how white text looks on a background with the XYZ color 29.3910, 54.8614,

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

29.3910, 54.8614, 20.8446

Protanopia

49.1193, 53.7519, 17.2375

Deuteranopia

54.7555, 53.6566, 22.2227



Tritanopia

41.5569, 54.3695, 82.4328

Trichromacy



Original Color

29.3910, 54.8614, 20.8446



Protanomaly

35.1348, 50.2926, 18.2116



Deuteranomaly

36.9661, 49.4171, 21.2258



Tritanomaly

34.9860, 53.5133, 52.7411

Monochromacy



Original Color

29.3910, 54.8614, 20.8446



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.8101, 35.3717, 26.6389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3910, 54.8614, 20.8446 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(16, 225, 99)` looks like.

```
.text, #text, p{  
    color:rgb(16, 225, 99)  
}
```

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(16, 225, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 225, 99) }
```

Border

The CSS property to change the border of an element to XYZ 29.3910, 54.8614, 20.8446 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(16, 225, 99) }
```


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

```
.border{ border-color:rgb(16, 225, 99) }
```

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

Here you see how a box with a 4 pixel rgb(16, 225, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 225, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 225, 99);  
box-shadow:4px 4px 4px 4px rgb(16, 225,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3910, 54.8614, 20.8446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 225, 99) }
```

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

```
.background{ background-color: rgb(16, 225,  
99) }
```

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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