

Converting Colors

XYZ(28.9487, 54.4008, 20.4295)

Have a look what the booklet for
XYZ(28.9487, 54.4008, 20.4295)
contains.

XYZ(28.8603, 54.1932, 20.4945)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.8603, 54.1932,
20.4945)**

Conversions

Conversions Part 1

Format	Color
Hex	00E062
RGB	0, 224, 98
RGB Percent	0%, 88%, 38%
CMY	1.0000, 0.1216, 0.6157
CMYK	1.00, 0.00, 0.56, 0.12
HSL	146°, 100%, 44%
HSV	146°, 100%, 88%
XYZ	28.8603, 54.1932, 20.4945
YIQ	142.6600, -93.0580, -86.6740

Conversions

Conversions Part 2

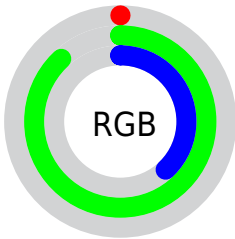
Format	Color
RYB	0, 156, 224
Decimal	57442
CIELab	78.57, -71.58, 48.44
CIELCh	79, 86.432, 145.913
Yxy	54.1932, 0.2787, 0.5234
Android (android.graphics.Color)	4278247522 (0xFF00E062)
YUV	142.6600, -22.0174, -125.1128
Hunter-Lab	73.6160, -58.8492, 35.0250

Details

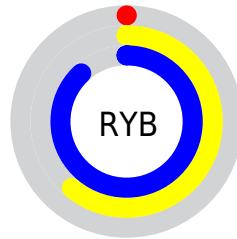
The XYZ color **28.8603, 54.1932, 20.4945** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **34.5085, 17.3548, 21.2737**, and the grayscale version is **26.0866, 27.4451, 29.8877**.

A 20% lighter version of the original color is **47.6118, 76.9751, 42.0540**, and **14.2924, 27.8269, 7.1005** is the 20% darker color. If you saturate the color by 10%, you get **28.8612, 54.1952, 20.4941**, and if you desaturate by 10%, it is **29.8442, 54.6277, 23.8962**.

Distribution



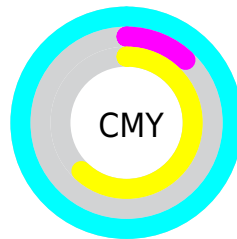
- Red (0%)
- Green (88%)
- Blue (38%)



- Red (0%)
- Yellow (61%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8603, 54.1932, 20.4945 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 28.8603, 54.1932, 20.4945 by changing the saturation by 10% instead.


 28.8603, 54.1932,
20.4945


 28.8603, 54.1932,
20.4945


288.5614,
402.8463, 267.2719


 19.1189, 38.7561,
12.5674


 57.2542, 96.3579,
45.1145


 11.8608, 26.5701,
7.0041


 76.6373, 123.8542,
62.6445


 6.7205, 17.2506,
3.3862


 99.9652, 156.1392,
84.2125

 3.3327, 10.4133,
1.2950

 127.6030,
193.5971, 110.2371

 1.3320, 5.6739,
0.0577

 159.9162,
236.6124, 141.1368

 0.2070, 2.6478,
0.0000

197.2700,

 0.0000, 0.9508,

285.5694, 177.3301

0.0000

240.0300,
340.8526, 219.2357

■ 0.0000, 0.0000,
0.0000

■ 28.8603, 54.1932,
20.4945

■ 28.8603, 54.1932,
20.4945

■ 28.8612, 54.1952,
20.4941

■ 29.8442, 54.6277,
23.8962

■ 31.3186, 55.3023,
27.8299

■ 33.4162, 56.2863,
32.3233

■ 36.2131, 57.6187,
37.3988

■ 39.7741, 59.3325,
43.0774

■ 44.1561, 61.4565,
49.3791

■ 49.4102, 64.0169,
56.3228

■ 55.5834, 67.0374,
63.9265

■ 62.7190, 70.5400,
72.2075

Harmonies

Analogous

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



38.4766, 54.1932, 8.4525



28.8603, 54.1932, 20.4945



25.2529, 54.1932, 52.5696

Triad

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



28.8603, 54.1932, 20.4945



49.2092, 54.1932, 210.8072



86.9558, 54.1932, 26.7665

Complementary

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



28.8603, 54.1932, 20.4945



34.5085, 17.3548, 21.2737

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.



91.5881, 54.1932, 65.9499



28.8603, 54.1932, 20.4945



67.1948, 54.1932, 190.0389

Square

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



28.8603, 54.1932, 20.4945



35.2423, 54.1932, 175.8255



83.6873, 54.1932, 128.7648



72.1397, 54.1932, 10.4185

Rectangle

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



28.8603, 54.1932, 20.4945



25.9888, 54.1932, 88.6548



83.6873, 54.1932, 128.7648



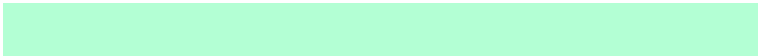
89.8783, 54.1932, 36.8377

Sweetspot

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



28.8616, 54.1954, 20.4957



66.1146, 85.7960, 75.3413



35.4003, 57.8209, 9.2951



13.4815, 18.0372, 15.2584



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.



28.8616, 54.1954, 20.4957



38.6600, 72.6800, 27.1914



38.1743, 57.9205, 69.5355



13.7766, 15.4364, 15.8587



16.8542, 31.5665, 12.2211



1.2126, 2.2058, 1.0809

Inverse Universe

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



34.5085, 17.3548, 21.2737



46.2315, 23.2566, 28.2151



30.8276, 15.8825, 1.8907



14.0285, 13.8290, 15.9203



20.1442, 10.1247, 12.6908



1.4410, 0.7197, 1.1154

Previews

White Background



This preview shows how the XYZ color 28.8603, 54.1932, 20.4945 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 28.8603, 54.1932, 20.4945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

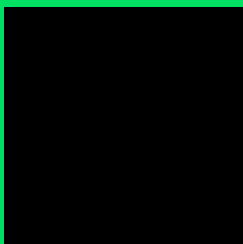
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

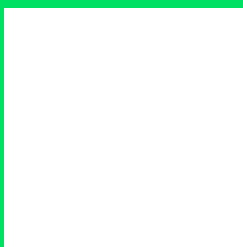
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8603, 54.1932, 20.4945

Background



This preview shows how black text looks on a background with the XYZ color 28.8603, 54.1932, 20.4945.



This preview shows how white text looks on a background with the XYZ color 28.8603, 54.1932,

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

28.8603, 54.1932, 20.4945

Protanopia

48.5630, 53.1407, 16.9301

Deuteranopia

54.1618, 53.0473, 21.8525



Tritanopia

41.0747, 53.7693, 81.6124

Trichromacy



Original Color

28.8603, 54.1932, 20.4945



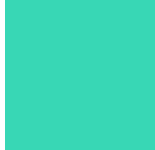
Protanomaly

33.6780, 49.1927, 17.8453



Deuteranomaly

35.5509, 48.3508, 20.8235



Tritanomaly

34.2718, 52.7778, 52.0969

Monochromacy



Original Color

28.8603, 54.1932, 20.4945



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

22.8977, 33.2615, 25.2920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8603, 54.1932, 20.4945 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, 224, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 98)  
}
```

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, 224, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 98) }
```

Border

The CSS property to change the border of an element to XYZ 28.8603, 54.1932, 20.4945 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, 224, 98) }
```


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

```
.border{ border-color:rgb(0, 224, 98) }
```

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

Here you see how a box with a 4 pixel rgb(0, 224, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 224, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.8603, 54.1932, 20.4945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 98) }
```

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

```
.background{ background-color: rgb(0, 224,  
98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor