

Converting Colors

XYZ(28.5037, 54.2229, 18.0828)

Have a look what the booklet for
XYZ(28.5037, 54.2229, 18.0828)
contains.

XYZ(28.3760, 53.9994, 17.9442)	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(28.3760, 53.9994,
17.9442)**

Conversions

Conversions Part 1

Format	Color
Hex	00E057
RGB	0, 224, 87
RGB Percent	0%, 88%, 34%
CMY	0.9999, 0.1216, 0.6588
CMYK	1.00, 0.00, 0.61, 0.12
HSL	143°, 100%, 44%
HSV	143°, 100%, 88%
XYZ	28.3760, 53.9994, 17.9442
YIQ	141.4060, -89.5270, -90.0950

Conversions

Conversions Part 2

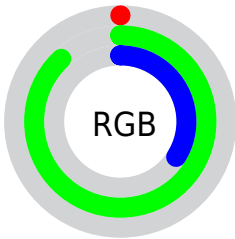
Format	Color
RYB	0, 161, 224
Decimal	57431
CIELab	78.46, -72.99, 53.21
CIELCh	78, 90.324, 143.905
Yxy	53.9994, 0.2829, 0.5383
Android (android.graphics.Color)	4278247511 (0xFF00E057)
YUV	141.4060, -26.8222, -124.0131
Hunter-Lab	73.4843, -59.6696, 36.9609

Details

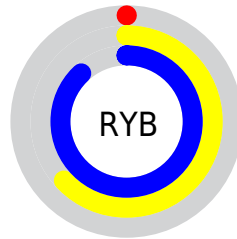
The XYZ color **28.3760, 53.9994, 17.9442** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **35.2581, 17.6547, 25.2212**, and the grayscale version is **25.6068, 26.9404, 29.3381**.

A 20% lighter version of the original color is **46.7521, 76.6312, 37.5265**, and **14.0660, 27.7364, 5.9086** is the 20% darker color. If you saturate the color by 10%, you get **28.3768, 54.0014, 17.9436**, and if you desaturate by 10%, it is **29.3313, 54.4225, 21.1949**.

Distribution



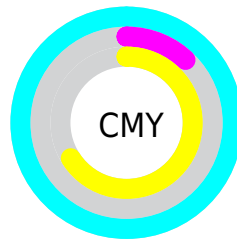
- Red (0%)
- Green (88%)
- Blue (34%)



- Red (0%)
- Yellow (63%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3760, 53.9994, 17.9442 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 28.3760, 53.9994, 17.9442 by changing the saturation by 10% instead.


 28.3760, 53.9994,
17.9442


 28.3760, 53.9994,
17.9442


286.3069,
402.1077, 252.7819


 18.7512, 38.6012,
10.7409


 56.4886, 96.0734,
40.7549


 11.5936, 26.4496,
5.7809


 75.7072, 123.5179,
57.1993


 6.5378, 17.1603,
2.6457


 98.8543, 155.7467,
77.5613

 3.2185, 10.3488,
0.9159

 126.2955,
193.1441, 102.2592

 1.2703, 5.6309,
0.0000

 158.3959,
236.0945, 131.7117

 0.1608, 2.6219,
0.0000

195.5211,

 0.0000, 0.9377,

284.9823, 166.3373

0.0000

238.0363,
340.1919, 206.5545

■ 0.0000, 0.0000,
0.0000

■ 28.3760, 53.9994,
17.9442

■ 28.3760, 53.9994,
17.9442

■ 28.3768, 54.0014,
17.9436

■ 29.3313, 54.4225,
21.1949

■ 30.7911, 55.0912,
25.0517

■ 32.8894, 56.0755,
29.5491

■ 35.7038, 57.4149,
34.7158

■ 39.2999, 59.1428,
40.5789

■ 43.7356, 61.2883,
47.1637

■ 49.0633, 63.8781,
54.4943

■ 55.3306, 66.9362,
62.5934

■ 62.5819, 70.4852,
71.4828

Harmonies

Analogous

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



38.6903, 53.9994, 7.0442



28.3760, 53.9994, 17.9442



24.3015, 53.9994, 49.0093

Triad

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



28.3760, 53.9994, 17.9442



47.7829, 53.9994, 219.5701



89.3136, 53.9994, 27.3966

Complementary

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



28.3760, 53.9994, 17.9442



35.2581, 17.6547, 25.2212

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.



93.3322, 53.9994, 69.8062



28.3760, 53.9994, 17.9442



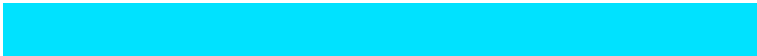
66.4478, 53.9994, 201.2373

Square

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



28.3760, 53.9994, 17.9442



33.7171, 53.9994, 178.5582



84.1688, 53.9994, 137.3071



74.1923, 53.9994, 9.8819

Rectangle

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



28.3760, 53.9994, 17.9442



24.7956, 53.9994, 85.5774



84.1688, 53.9994, 137.3071



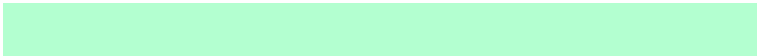
92.1337, 53.9994, 38.2814

Sweetspot

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



28.3773, 54.0016, 17.9454



65.6461, 85.6087, 72.8744



37.1613, 58.7287, 9.3776



13.3717, 17.9932, 14.6797



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.



28.3773, 54.0016, 17.9454



38.0137, 72.4215, 23.7881



36.8351, 57.3847, 62.4834



13.7480, 15.4249, 15.7084



16.5691, 31.4525, 10.7200



1.1914, 2.1973, 0.9692

Inverse Universe

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



35.2581, 17.6547, 25.2212



47.2379, 23.6592, 33.5144



30.9299, 15.9234, 2.4292



14.0577, 13.8407, 16.0741



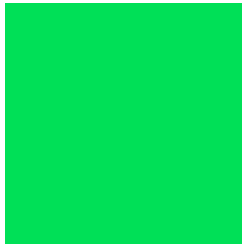
20.5796, 10.2988, 14.9838



1.4699, 0.7313, 1.2676

Previews

White Background



This preview shows how the XYZ color 28.3760, 53.9994, 17.9442 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 28.3760, 53.9994, 17.9442 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 28.3760, 53.9994, 17.9442

Background



This preview shows how black text looks on a background with the XYZ color 28.3760, 53.9994, 17.9442.



This preview shows how white text looks on a background with the XYZ color 28.3760, 53.9994,

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

28.3760, 53.9994, 17.9442

Protanopia

48.1767, 52.9861, 14.8959

Deuteranopia

53.7777, 52.6007, 19.1229



Tritanopia

41.0315, 53.7631, 80.8878

Trichromacy



Original Color

28.3760, 53.9994, 17.9442



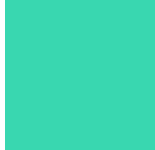
Protanomaly

33.2314, 49.0141, 15.4938



Deuteranomaly

34.8373, 47.6984, 18.1971



Tritanomaly

33.8243, 52.6053, 49.4454

Monochromacy



Original Color

28.3760, 53.9994, 17.9442



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.2305, 32.6800, 23.2253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3760, 53.9994, 17.9442 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 87) }
```

Border

The CSS property to change the border of an element to XYZ 28.3760, 53.9994, 17.9442 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, 87) }
```


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

```
.border{ border-color:rgb(0, 224, 87) }
```

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, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 224, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.3760, 53.9994, 17.9442 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, 87) }
```

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

```
.background{ background-color: rgb(0, 224,  
87) }
```

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