

Converting Colors

XYZ(28.0930, 53.2120, 17.9344)

Have a look what the booklet for
XYZ(28.0930, 53.2120, 17.9344)
contains.

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Color

**XYZ(28.0079, 53.0117,
17.9886)**

Conversions

Conversions Part 1

Format	Color
Hex	0ADE58
RGB	10, 222, 88
RGB Percent	4%, 87%, 35%
CMY	0.9608, 0.1294, 0.6549
CMYK	0.95, 0.00, 0.60, 0.13
HSL	142°, 91%, 45%
HSV	142°, 95%, 87%
XYZ	28.0079, 53.0117, 17.9886
YIQ	143.3360, -83.3380, -86.6180

Conversions

Conversions Part 2

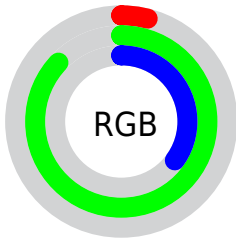
Format	Color
RYB	10, 165, 222
Decimal	712280
CIELab	77.88, -71.94, 52.12
CIELCh	78, 88.837, 144.075
Yxy	53.0117, 0.2829, 0.5354
Android (android.graphics.Color)	4278902360 (0xFF0ADE58)
YUV	143.3360, -27.2806, -116.9357
Hunter-Lab	72.8091, -58.7514, 36.3179

Details

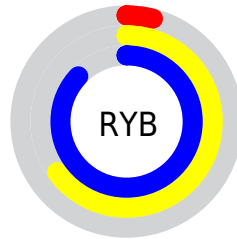
The XYZ color **28.0079, 53.0117, 17.9886** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **35.2685, 17.7612, 27.9573**, and the grayscale version is **26.3740, 27.7475, 30.2170**.

A 20% lighter version of the original color is **46.9492, 76.7242, 37.9260**, and **13.7296, 27.0201, 5.9306** is the 20% darker color. If you saturate the color by 10%, you get **27.6331, 52.8490, 16.6633**, and if you desaturate by 10%, it is **29.1245, 53.5151, 21.3742**.

Distribution



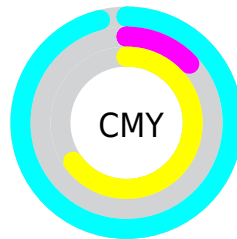
- Red (4%)
- Green (87%)
- Blue (35%)



- Red (4%)
- Yellow (65%)
- Blue (87%)



- Cyan (95%)
- Magenta (0%)
- Yellow (60%)
- Black (13%)





- Cyan (96%)
- Magenta (13%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0079, 53.0117, 17.9886 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 28.0079, 53.0117, 17.9886 by changing the saturation by 10% instead.


 28.0079, 53.0117,
17.9886


 28.0079, 53.0117,
17.9886


284.5841,
398.3300, 253.0407


 18.4721, 37.8121,
10.7724


 55.9056, 94.6216,
40.8316


 11.3912, 25.8369,
5.8018


 74.9982, 121.8007,
57.2955


 6.3998, 16.7017,
2.6581


 98.0072, 153.7417,
77.6790

 3.1326, 10.0220,
0.9222

 125.2978,
190.8291, 102.4008

 1.2243, 5.4136,
0.0000

 157.2354,
233.4472, 131.8793

 0.1254, 2.4919,
0.0000

194.1854,

 0.0000, 0.8726,

281.9805, 166.5331

0.0000

236.5132,
336.8133, 206.7807

■ 0.0000, 0.0000,
0.0000

■ 28.0079, 53.0117,
17.9886

■ 28.0079, 53.0117,
17.9886

■ 27.6331, 52.8490,
16.6633

■ 29.1245, 53.5151,
21.3742

■ 30.8219, 54.3028,
25.4010

■ 33.1873, 55.4206,
30.1028

■ 36.2911, 56.9042,
35.5100

■ 40.1944, 58.7845,
41.6508

■ 44.9516, 61.0891,
48.5519

■ 50.6120, 63.8429,
56.2386

■ 57.2213, 67.0689,
64.7349

■ 64.8218, 70.7885,
74.0637

Harmonies

Analogous

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



38.0250, 53.0117, 7.1680



28.0079, 53.0117, 17.9886



24.0618, 53.0117, 48.4562

Triad

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



28.0079, 53.0117, 17.9886



47.0378, 53.0117, 213.2446



87.1621, 53.0117, 26.9837

Complementary

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



28.0079, 53.0117, 17.9886



35.2685, 17.7612, 27.9573

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.



91.1251, 53.0117, 68.0967



28.0079, 53.0117, 17.9886



65.1717, 53.0117, 195.2328

Square

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



28.0079, 53.0117, 17.9886



33.3163, 53.0117, 173.9524



82.3187, 53.0117, 133.3639



72.4714, 53.0117, 9.8975

Rectangle

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



28.0079, 53.0117, 17.9886



24.5657, 53.0117, 84.0559



82.3187, 53.0117, 133.3639



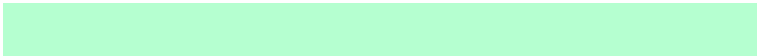
89.9147, 53.0117, 37.5556

Sweetspot

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



28.0092, 53.0139, 17.9898



66.2447, 85.9166, 72.9329



37.7262, 58.2203, 9.5366



13.4766, 18.0480, 14.6514



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.



28.0092, 53.0139, 17.9898



37.7723, 72.3249, 22.5165



35.9557, 56.1925, 59.8357



13.7362, 15.4202, 15.6462



16.4620, 31.4097, 10.1559



1.1832, 2.1940, 0.9259

Inverse Universe

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



35.2685, 17.7612, 27.9573



47.6890, 23.8396, 35.8899



30.5883, 15.8891, 3.3116



14.0699, 13.8456, 16.1383



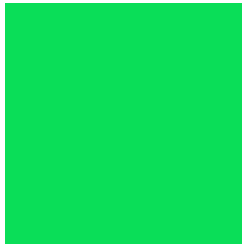
20.7743, 10.3767, 16.0090



1.4827, 0.7363, 1.3345

Previews

White Background



This preview shows how the XYZ color 28.0079, 53.0117, 17.9886 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 28.0079, 53.0117, 17.9886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

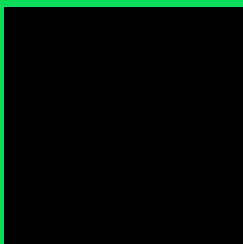
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

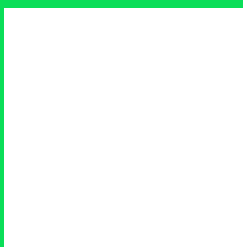
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0079, 53.0117, 17.9886

Background



This preview shows how black text looks on a background with the XYZ color 28.0079, 53.0117, 17.9886.

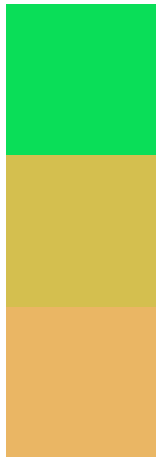


This preview shows how white text looks on a background with the XYZ color 28.0079, 53.0117,

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

28.0079, 53.0117, 17.9886

Protanopia

47.1935, 51.8232, 14.9126

Deuteranopia

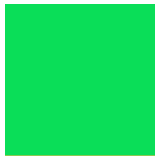
52.9599, 51.8684, 19.2769



Tritanopia

40.2663, 52.6718, 79.2786

Trichromacy



Original Color

28.0079, 53.0117, 17.9886



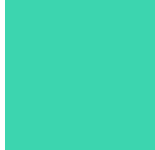
Protanomaly

33.2910, 48.3392, 15.5584



Deuteranomaly

35.2144, 47.5493, 18.3883



Tritanomaly

33.3956, 51.6443, 48.7657

Monochromacy



Original Color

28.0079, 53.0117, 17.9886



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.0470, 33.3680, 23.9649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0079, 53.0117, 17.9886 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(10, 222, 88)` looks like.

```
.text, #text, p{  
    color:rgb(10, 222, 88)  
}
```

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(10, 222, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 222, 88) }
```

Border

The CSS property to change the border of an element to XYZ 28.0079, 53.0117, 17.9886 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(10, 222, 88) }
```


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

```
.border{ border-color:rgb(10, 222, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 222, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 222, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 222, 88);  
box-shadow:4px 4px 4px 4px rgb(10, 222,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0079, 53.0117, 17.9886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 222, 88) }
```

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

```
.background{ background-color: rgb(10, 222,  
88) }
```

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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