

Converting Colors

XYZ(28.6253, 54.2468, 17.1442)

Have a look what the booklet for
XYZ(28.6253, 54.2468, 17.1442)
contains.

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Color

**XYZ(28.5479, 54.1064,
17.1226)**

Conversions

Conversions Part 1

Format	Color
Hex	16E053
RGB	22, 224, 83
RGB Percent	9%, 88%, 33%
CMY	0.9137, 0.1216, 0.6745
CMYK	0.90, 0.00, 0.63, 0.12
HSL	138°, 82%, 48%
HSV	138°, 90%, 88%
XYZ	28.5479, 54.1064, 17.1226
YIQ	147.5280, -75.1310, -86.6750

Conversions

Conversions Part 2

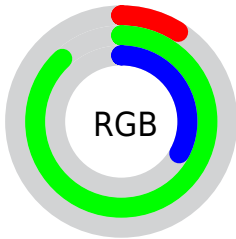
Format	Color
RYB	22, 177, 224
Decimal	1499219
CIELab	78.52, -72.58, 55.02
CIELCh	79, 91.078, 142.836
Yxy	54.1064, 0.2861, 0.5423
Android (android.graphics.Color)	4279689299 (0xFF16E053)
YUV	147.5280, -31.8123, -110.0881
Hunter-Lab	73.5571, -59.4480, 37.6884

Details

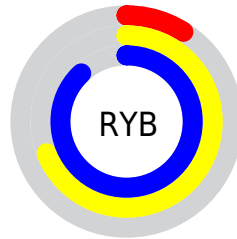
The XYZ color **28.5479, 54.1064, 17.1226** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **37.6400, 19.0665, 36.3492**, and the grayscale version is **28.1040, 29.5676, 32.1991**.

A 20% lighter version of the original color is **47.0854, 76.8369, 36.0163**, and **13.9942, 27.7076, 5.5302** is the 20% darker color. If you saturate the color by 10%, you get **27.6892, 53.7264, 14.3229**, and if you desaturate by 10%, it is **29.9479, 54.7519, 20.7042**.

Distribution



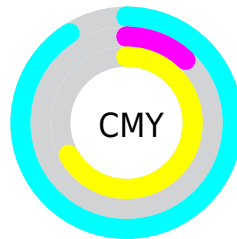
- Red (9%)
- Green (88%)
- Blue (33%)



- Red (9%)
- Yellow (69%)
- Blue (88%)



- Cyan (90%)
- Magenta (0%)
- Yellow (63%)
- Black (12%)




- Cyan (91%)
- Magenta (12%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5479, 54.1064, 17.1226 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 28.5479, 54.1064, 17.1226 by changing the saturation by 10% instead.


 28.5479, 54.1064,
17.1226


 28.5479, 54.1064,
17.1226


287.1086,
402.5156, 247.9457


 18.8816, 38.6867,
10.1591


 56.7606, 96.2305,
39.3300

 11.6883, 26.5161,
5.3976


 76.0377, 123.7036,
55.4109


 6.6025, 17.2101,
2.4196


 99.2491, 155.9634,
75.3680

 3.2589, 10.3844,
0.7971

 126.7602,
193.3942, 99.6199

 1.2921, 5.6546,
0.0000

 158.9364,
236.3805, 128.5851

 0.1773, 2.6362,
0.0000

196.1429,

 0.0000, 0.9449,

285.3065, 162.6821

0.0000

238.7452,
340.5568, 202.3294

■ 0.0000, 0.0000,
0.0000

■ 28.5479, 54.1064,
17.1226

■ 28.5479, 54.1064,
17.1226

■ 27.6892, 53.7264,
14.3229


■ 29.9479, 54.7519,
20.7042


■ 32.0112, 55.7211,
25.0703


■ 34.8198, 57.0568,
30.2662


■ 38.4422, 58.7937,
36.3326

■ 42.9388, 60.9621,
43.3073

 48.3641, 63.5893,
51.2261

 54.7680, 66.7003,
60.1227

 62.1969, 70.3185,
70.0289

 70.6940, 74.4654,
80.9754

Harmonies

Analogous

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



39.1693, 54.1064, 6.7189



28.5479, 54.1064, 17.1226



24.2362, 54.1064, 47.4342

Triad

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



28.5479, 54.1064, 17.1226



47.2446, 54.1064, 221.2968



90.2092, 54.1064, 28.2925

Complementary

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



28.5479, 54.1064, 17.1226



37.6400, 19.0665, 36.3492

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.



93.7960, 54.1064, 72.1079



28.5479, 54.1064, 17.1226



66.0062, 54.1064, 204.8754

Square

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



28.5479, 54.1064, 17.1226



33.2794, 54.1064, 177.8840



84.0973, 54.1064, 140.9897



75.2005, 54.1064, 10.0518

Rectangle

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



28.5479, 54.1064, 17.1226



24.5970, 54.1064, 83.6939



84.0973, 54.1064, 140.9897



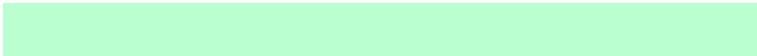
92.9140, 54.1064, 39.5806

Sweetspot

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



28.5492, 54.1086, 17.1238



67.3014, 86.4800, 72.1389



41.9888, 61.2006, 10.3592



13.8098, 18.2213, 14.5988



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.



28.5492, 54.1086, 17.1238



37.0997, 72.0559, 18.9747



35.5980, 56.9281, 54.2422



13.6983, 15.4050, 15.4465



16.1612, 31.2893, 8.5718



1.1591, 2.1843, 0.7988

Inverse Universe

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



37.6400, 19.0665, 36.3492



49.2755, 24.4742, 44.2443



31.9094, 16.7742, 6.1719



14.1095, 13.8614, 16.3468



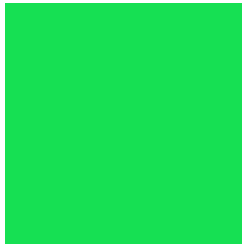
21.4569, 10.6498, 19.6037



1.5264, 0.7538, 1.5648

Previews

White Background



This preview shows how the XYZ color 28.5479, 54.1064, 17.1226 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 28.5479, 54.1064, 17.1226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

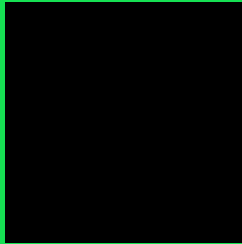
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

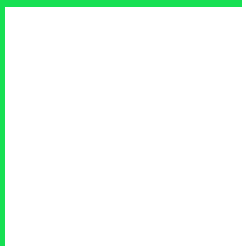
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5479, 54.1064, 17.1226

Background



This preview shows how black text looks on a background with the XYZ color 28.5479, 54.1064, 17.1226.

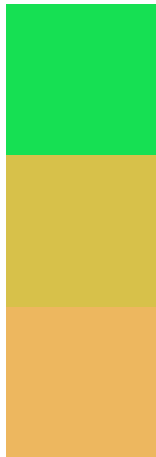


This preview shows how white text looks on a background with the XYZ color 28.5479, 54.1064,

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

28.5479, 54.1064, 17.1226

Protanopia

48.3303, 53.0814, 14.1770

Deuteranopia

53.9241, 52.6977, 18.1560



Tritanopia

41.3254, 53.9145, 80.9015

Trichromacy



Original Color

28.5479, 54.1064, 17.1226



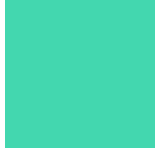
Protanomaly

34.6095, 49.7413, 14.7981



Deuteranomaly

36.3805, 48.5144, 17.3443



Tritanomaly

34.3530, 52.8893, 48.9555

Monochromacy



Original Color

28.5479, 54.1064, 17.1226



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.6429, 35.3307, 24.5895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5479, 54.1064, 17.1226 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(22, 224, 83)` looks like.

```
.text, #text, p{  
    color:rgb(22, 224, 83)  
}
```

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(22, 224, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 224, 83) }
```

Border

The CSS property to change the border of an element to XYZ 28.5479, 54.1064, 17.1226 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(22, 224, 83) }
```


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

```
.border{ border-color:rgb(22, 224, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 224, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 224, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 224, 83);  
box-shadow:4px 4px 4px 4px rgb(22, 224,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5479, 54.1064, 17.1226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 224, 83) }
```

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

```
.background{ background-color: rgb(22, 224,  
83) }
```

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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