

Converting Colors

XYZ(28.6919, 54.1906, 16.2839)

Have a look what the booklet for
XYZ(28.6919, 54.1906, 16.2839)
contains.

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Color

**XYZ(28.6941, 54.1992,
16.3463)**

Conversions

Conversions Part 1

Format	Color
Hex	21E04F
RGB	33, 224, 79
RGB Percent	13%, 88%, 31%
CMY	0.8706, 0.1216, 0.6902
CMYK	0.85, 0.00, 0.65, 0.12
HSL	134°, 75%, 50%
HSV	134°, 85%, 88%
XYZ	28.6941, 54.1992, 16.3463
YIQ	150.3610, -67.2910, -85.5870

Conversions

Conversions Part 2

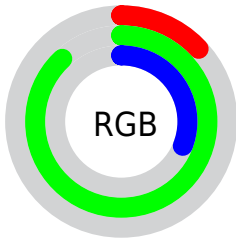
Format	Color
R_{YB}	33, 187, 224
Decimal	2220111
CIE _{Lab}	78.58, -72.24, 56.77
CIE _{LCh}	79, 91.880, 141.840
Yxy	54.1992, 0.2891, 0.5461
Android (android.graphics.Color)	4280410191 (0xFF21E04F)
YUV	150.3610, -35.1810, -102.9256
Hunter-Lab	73.6201, -59.2632, 38.3696

Details

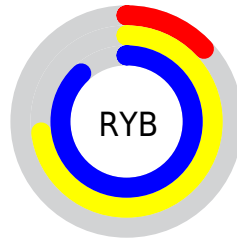
The XYZ color **28.6941, 54.1992, 16.3463** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **39.3214, 20.1500, 43.9359**, and the grayscale version is **29.3094, 30.8358, 33.5801**.

A 20% lighter version of the original color is **47.2655, 76.9542, 34.9168**, and **13.9199, 27.6779, 5.1390** is the 20% darker color. If you saturate the color by 10%, you get **27.6590, 53.7298, 13.4705**, and if you desaturate by 10%, it is **30.3661, 54.9818, 20.0808**.

Distribution



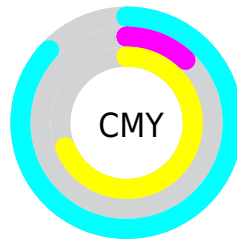
- Red (13%)
- Green (88%)
- Blue (31%)



- Red (13%)
- Yellow (73%)
- Blue (88%)



- Cyan (85%)
- Magenta (0%)
- Yellow (65%)
- Black (12%)





- Cyan (87%)
- Magenta (12%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6941, 54.1992, 16.3463 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 28.6941, 54.1992, 16.3463 by changing the saturation by 10% instead.


 28.6941, 54.1992,
16.3463


 28.6941, 54.1992,
16.3463


287.7892,
402.8692, 243.2917


 18.9927, 38.7609,
9.6125


 56.9916, 96.3667,
37.9735


 11.7689, 26.5738,
5.0406


 76.3185, 123.8647,
53.7040


 6.6576, 17.2534,
2.2119


 99.5844, 156.1514,
73.2705

 3.2933, 10.4153,
0.6812

 127.1549,
193.6111, 97.0915

 1.3107, 5.6752,
0.0000

 159.3953,
236.6284, 125.5856

 0.1912, 2.6486,
0.0000

196.6709,

 0.0000, 0.9512,

285.5876, 159.1713

0.0000

239.3471,
340.8730, 198.2671

■ 0.0000, 0.0000,
0.0000

■ 28.6941, 54.1992,
16.3463

■ 28.6941, 54.1992,
16.3463

■ 27.6590, 53.7298,
13.4705

■ 30.3661, 54.9818,
20.0808

■ 27.3215, 53.5794,
12.3861

■ 32.7638, 56.1174,
24.7321

■ 35.9651, 57.6466,
30.3574

■ 40.0366, 59.6025,
37.0083

■ 45.0377, 62.0148,
44.7325

■ 51.0223, 64.9105,
53.5748

■ 58.0404, 68.3143,
63.5774

■ 66.1383, 72.2494,
74.7802

■ 75.3596, 76.7373,
87.2214

Harmonies

Analogous

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



39.6132, 54.1992, 6.4043



28.6941, 54.1992, 16.3463



24.1562, 54.1992, 45.9563

Triad

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



28.6941, 54.1992, 16.3463



46.7270, 54.1992, 223.0717



91.0818, 54.1992, 29.1392

Complementary

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



28.6941, 54.1992, 16.3463



39.3214, 20.1500, 43.9359

Split Complementary

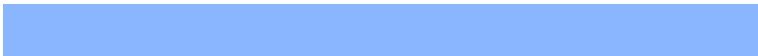
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.2576, 54.1992, 74.3361



28.6941, 54.1992, 16.3463



65.5891, 54.1992, 208.4799

Square

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



28.6941, 54.1992, 16.3463



32.8514, 54.1992, 177.3302



84.0421, 54.1992, 144.5960



76.1718, 54.1992, 10.1962

Rectangle

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



28.6941, 54.1992, 16.3463



24.3913, 54.1992, 81.9378



84.0421, 54.1992, 144.5960



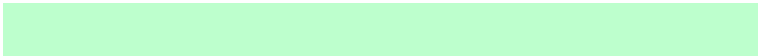
93.6779, 54.1992, 40.8218

Sweetspot

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



28.6954, 54.2014, 16.3475



67.6514, 86.6923, 70.7159



45.6227, 63.0591, 11.2059



13.8571, 18.2540, 14.2237



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.



28.6954, 54.2014, 16.3475



36.6136, 71.8615, 16.4152



34.8335, 56.6567, 48.6704



13.6634, 15.3911, 15.2629



15.9403, 31.2010, 7.4085



1.1398, 2.1766, 0.6974

Inverse Universe

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



39.3214, 20.1500, 43.9359



50.9306, 25.1363, 52.9602



32.8832, 17.5747, 10.0331



14.1465, 13.8762, 16.5416



22.1664, 10.9336, 23.3398



1.5707, 0.7716, 1.7984

Previews

White Background



This preview shows how the XYZ color 28.6941, 54.1992, 16.3463 looks on a white background.

Color Contrast Check

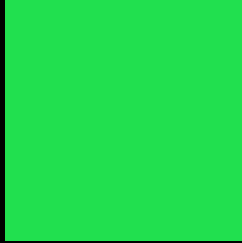
Large Text (above 18pt) WCAG AA × Fail

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 28.6941, 54.1992, 16.3463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

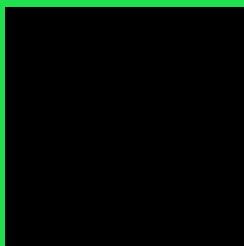
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.6941, 54.1992, 16.3463

Background



This preview shows how black text looks on a background with the XYZ color 28.6941, 54.1992, 16.3463.



This preview shows how white text looks on a background with the XYZ color 28.6941, 54.1992,

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

28.6941, 54.1992, 16.3463

Protanopia

48.1998, 53.0292, 13.4896

Deuteranopia

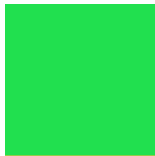
54.1251, 52.8168, 17.4672



Tritanopia

41.6310, 54.0721, 80.9158

Trichromacy



Original Color

28.6941, 54.1992, 16.3463



Protanomaly

35.1899, 50.0563, 14.1105



Deuteranomaly

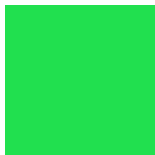
37.0186, 48.8628, 16.4972



Tritanomaly

34.5158, 52.9957, 47.9452

Monochromacy



Original Color

28.6941, 54.1992, 16.3463



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

25.4236, 36.0253, 24.6824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6941, 54.1992, 16.3463 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(33, 224, 79)` looks like.

```
.text, #text, p{  
    color:rgb(33, 224, 79)  
}
```

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(33, 224, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 224, 79) }
```

Border

The CSS property to change the border of an element to XYZ 28.6941, 54.1992, 16.3463 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(33, 224, 79) }
```


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

```
.border{ border-color:rgb(33, 224, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 224, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 224, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 224, 79);  
box-shadow:4px 4px 4px 4px rgb(33, 224,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6941, 54.1992, 16.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 224, 79) }
```

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

```
.background{ background-color: rgb(33, 224,  
79) }
```

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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