

Converting Colors

XYZ(28.8003, 49.4907, 16.5506)

Have a look what the booklet for
XYZ(28.8003, 49.4907, 16.5506)
contains.

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Color

**XYZ(28.9295, 49.6741,
16.6577)**

Conversions

Conversions Part 1

Format	Color
Hex	55D455
RGB	85, 212, 85
RGB Percent	33%, 83%, 33%
CMY	0.6667, 0.1686, 0.6667
CMYK	0.60, 0.00, 0.60, 0.17
HSL	120°, 60%, 58%
HSV	120°, 60%, 83%
XYZ	28.9295, 49.6741, 16.6577
YIQ	159.5490, -34.9250, -66.4210

Conversions

Conversions Part 2

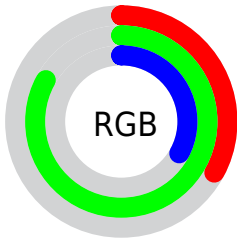
Format	Color
RYB	85, 212, 212
Decimal	5624917
CIELab	75.87, -59.65, 51.43
CIELCh	76, 78.760, 139.234
Yxy	49.6741, 0.3037, 0.5215
Android (android.graphics.Color)	4283814997 (0xFF55D455)
YUV	159.5490, -36.7527, -65.3795
Hunter-Lab	70.4799, -50.0718, 35.3229

Details

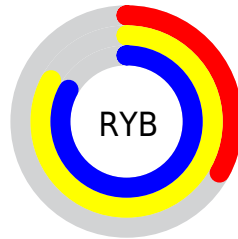
The XYZ color **28.9295, 49.6741, 16.6577** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **42.2848, 25.2483, 64.9327**, and the grayscale version is **33.3823, 35.1208, 38.2465**.

A 20% lighter version of the original color is **52.2015, 79.4660, 36.6319**, and **12.1228, 23.8707, 5.1969** is the 20% darker color. If you saturate the color by 10%, you get **26.5657, 48.5401, 12.7903**, and if you desaturate by 10%, it is **32.1244, 51.2103, 21.8828**.

Distribution



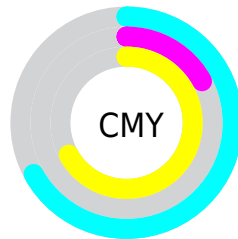
- Red (33%)
- Green (83%)
- Blue (33%)



- Red (33%)
- Yellow (83%)
- Blue (83%)



- Cyan (60%)
- Magenta (0%)
- Yellow (60%)
- Black (17%)





- Cyan (67%)
- Magenta (17%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9295, 49.6741, 16.6577 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 28.9295, 49.6741, 16.6577 by changing the saturation by 10% instead.


 28.9295, 49.6741,
16.6577


 28.9295, 49.6741,
16.6577


288.8824,
385.3901, 245.1688


 19.1715, 35.1545,
9.8314


 57.3634, 89.6918,
38.5189

 11.8990, 23.7819,
5.1832


 76.7700, 115.9587,
54.3908

 6.7467, 15.1719,
2.2945


 100.1235,
146.9102, 74.1149

 3.3491, 8.9401,
0.7281

 127.7893,
182.9307, 98.1099

 1.3409, 4.7022,
0.0000

160.1328,
224.4045, 126.7943

 0.2135, 2.0736,
0.0000

197.5192,

 0.0000, 0.6497,

271.7161, 160.5865

0.0000

240.3139,
325.2498, 199.9052

■ 0.0000, 0.0000,
0.0000

■ 28.9295, 49.6741,
16.6577

■ 28.9295, 49.6741,
16.6577

■ 26.5657, 48.5401,
12.7903

■ 32.1244, 51.2103,
21.8828

■ 24.9528, 47.7654,
10.1521

■ 36.2139, 53.1747,
28.5720

■ 24.0014, 47.3084,
8.5957

■ 41.2596, 55.5984,
36.8251

■ 23.5481, 47.0906,
7.8542

■ 47.3165, 58.5078,
46.7321

■ 23.5445, 47.0889,
7.8483

■ 54.4354, 61.9274,
58.3763

■ 62.6638, 65.8799,
71.8352

■ 72.0463, 70.3868,
87.1819

■ 82.6251, 75.4683,
104.4851

■ 82.8344, 75.5689,
104.8281

Harmonies

Analogous

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



38.5278, 49.6741, 8.0757



28.9295, 49.6741, 16.6577



24.5932, 49.6741, 40.3723

Triad

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



28.9295, 49.6741, 16.6577



42.1445, 49.6741, 178.3726



79.1210, 49.6741, 31.6233

Complementary

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



28.9295, 49.6741, 16.6577



42.2848, 25.2483, 64.9327

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.



80.6499, 49.6741, 70.6006



28.9295, 49.6741, 16.6577



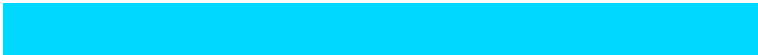
57.1159, 49.6741, 171.6271

Square

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



28.9295, 49.6741, 16.6577



31.1040, 49.6741, 141.0970



71.9265, 49.6741, 125.7260



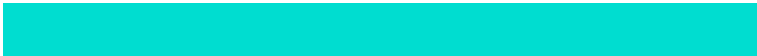
68.1016, 49.6741, 13.1033

Rectangle

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



28.9295, 49.6741, 16.6577



24.5086, 49.6741, 68.0947



71.9265, 49.6741, 125.7260



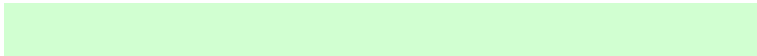
80.8369, 49.6741, 42.1449

Sweetspot

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



28.9307, 49.6762, 16.6588



73.6039, 89.6984, 73.8214



52.3367, 61.7424, 17.7536



15.1227, 18.8958, 14.7679



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.



28.9307, 49.6762, 16.6588



39.5383, 73.3349, 18.1007



32.6760, 51.1743, 36.3814



12.2625, 13.8960, 13.1967



14.5346, 29.0692, 4.8450



0.8767, 1.7533, 0.2922

Inverse Universe

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



42.2848, 25.2483, 64.9327



61.5681, 33.0372, 97.7359



35.7862, 22.6488, 30.7114



12.9531, 12.6327, 15.6931



24.0979, 11.5755, 39.4153



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 28.9295, 49.6741, 16.6577 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 28.9295, 49.6741, 16.6577 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 28.9295, 49.6741, 16.6577

Background



This preview shows how black text looks on a background with the XYZ color 28.9295, 49.6741, 16.6577.

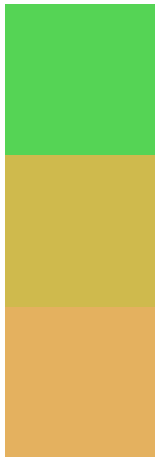


This preview shows how white text looks on a background with the XYZ color 28.9295, 49.6741,

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

28.9295, 49.6741, 16.6577

Protanopia

44.6306, 48.9190, 14.1112

Deuteranopia

49.7826, 48.7645, 17.6151



Tritanopia

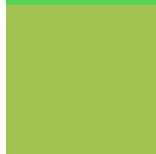
39.8916, 49.4661, 71.7354

Trichromacy



Original Color

28.9295, 49.6741, 16.6577



Protanomaly

36.0673, 47.3959, 14.8368



Deuteranomaly

38.2063, 46.8123, 16.9195



Tritanomaly

34.4864, 49.0161, 44.6892

Monochromacy



Original Color

28.9295, 49.6741, 16.6577



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.0266, 38.9202, 28.1201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9295, 49.6741, 16.6577 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(85, 212, 85)` looks like.

```
.text, #text, p{  
    color:rgb(85, 212, 85)  
}
```

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(85, 212, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 212, 85) }
```

Border

The CSS property to change the border of an element to XYZ 28.9295, 49.6741, 16.6577 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(85, 212, 85) }
```


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

```
.border{ border-color:rgb(85, 212, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 212, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 212, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 212, 85);  
box-shadow:4px 4px 4px 4px rgb(85, 212,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9295, 49.6741, 16.6577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 212, 85) }
```

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

```
.background{ background-color: rgb(85, 212,  
85) }
```

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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