

Converting Colors

XYZ(28.8871, 45.0019, 15.0567)

Have a look what the booklet for
XYZ(28.8871, 45.0019, 15.0567)
contains.

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Color

**XYZ(28.8858, 45.0335,
15.1525)**

Conversions

Conversions Part 1

Format	Color
Hex	72C752
RGB	114, 199, 82
RGB Percent	45%, 78%, 32%
CMY	0.5529, 0.2196, 0.6784
CMYK	0.43, 0.00, 0.59, 0.22
HSL	104°, 51%, 55%
HSV	104°, 59%, 78%
XYZ	28.8858, 45.0335, 15.1525
YIQ	160.2470, -13.1030, -54.4070

Conversions

Conversions Part 2

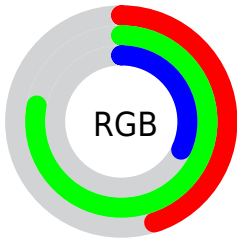
Format	Color
RYB	82, 199, 167
Decimal	7522130
CIELab	72.91, -47.09, 49.66
CIELCh	73, 68.431, 133.477
Yxy	45.0335, 0.3243, 0.5056
Android (android.graphics.Color)	4285712210 (0xFF72C752)
YUV	160.2470, -38.5758, -40.5586
Hunter-Lab	67.1070, -40.6030, 33.5875

Details

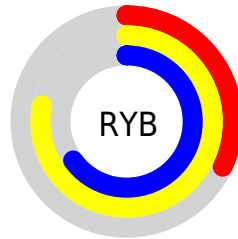
The XYZ color **28.8858, 45.0335, 15.1525** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **29.2649, 18.3751, 56.0397**, and the grayscale version is **33.7055, 35.4608, 38.6168**.

A 20% lighter version of the original color is **56.9278, 81.9272, 35.7348**, and **11.8137, 20.8711, 4.5045** is the 20% darker color. If you saturate the color by 10%, you get **26.5017, 43.8810, 11.6453**, and if you desaturate by 10%, it is **31.7890, 46.4310, 19.8319**.

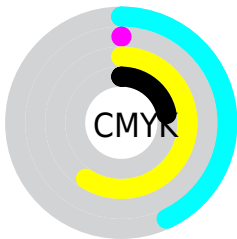
Distribution



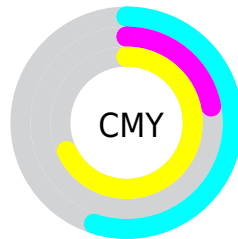
- Red (45%)
- Green (78%)
- Blue (32%)



- Red (32%)
- Yellow (78%)
- Blue (65%)



- Cyan (43%)
- Magenta (0%)
- Yellow (59%)
- Black (22%)





- Cyan (55%)
- Magenta (22%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8858, 45.0335, 15.1525 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 28.8858, 45.0335, 15.1525 by changing the saturation by 10% instead.


 28.8858, 45.0335,
15.1525


 28.8858, 45.0335,
15.1525


288.6797,
366.9092, 235.9599


 19.1383, 31.4838,
8.7787


 57.2944, 82.7707,
35.8666


 11.8748, 20.9675,
4.5023


 76.6862, 107.7270,
51.0439


 6.7301, 13.1003,
1.9047


 100.0235,
137.2542, 69.9928

 3.3387, 7.4976,
0.4957

 127.6717,
171.7369, 93.1318

 1.3353, 3.7752,
0.0000

 159.9960,
211.5593, 120.8795

 0.2094, 1.5486,
0.0000

197.3619,

 0.0000, 0.3226,

257.1059, 153.6544

0.0000

240.1346,
308.7611, 191.8750

■ 0.0000, 0.0000,
0.0000

■ 28.8858, 45.0335,
15.1525

■ 28.8858, 45.0335,
15.1525

■ 26.5017, 43.8810,
11.6453

■ 31.7890, 46.4310,
19.8319

■ 24.5998, 42.9526,
9.2037

■ 35.2383, 48.0812,
25.7721

■ 23.1432, 42.2334,
7.7065

■ 39.2625, 49.9987,
33.0564

■ 22.0778, 41.6996,
6.9542

■ 43.8874, 52.1951,
41.7601

■ 21.9685, 41.6448,
6.8804

■ 49.1373, 54.6813,
51.9532

■ 55.0348, 57.4677,
63.7007

■ 61.6016, 60.5641,
77.0640

■ 68.8583, 63.9797,
92.1011

■ 75.8256, 67.3240,
103.6061

Harmonies

Analogous

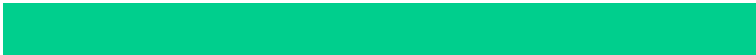
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.6788, 45.0335, 8.8863



28.8858, 45.0335, 15.1525



24.3697, 45.0335, 32.6293

Triad

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



28.8858, 45.0335, 15.1525



36.6077, 45.0335, 142.7711



69.1955, 45.0335, 35.2673

Complementary

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



28.8858, 45.0335, 15.1525



29.2649, 18.3751, 56.0397

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.



68.7619, 45.0335, 70.1801



28.8858, 45.0335, 15.1525



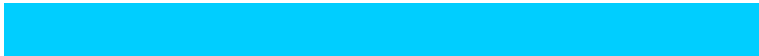
48.3719, 45.0335, 144.6212

Square

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



28.8858, 45.0335, 15.1525



28.2278, 45.0335, 109.5131



60.5966, 45.0335, 113.7847



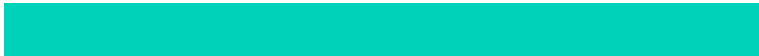
61.6897, 45.0335, 16.3089

Rectangle

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



28.8858, 45.0335, 15.1525



23.7536, 45.0335, 53.1250



60.5966, 45.0335, 113.7847



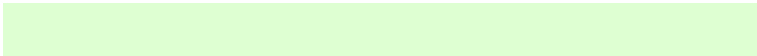
70.0102, 45.0335, 45.1583

Sweetspot

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



28.8869, 45.0354, 15.1535



77.2988, 91.6031, 73.9936



38.6871, 39.9713, 13.6595



16.0058, 19.3510, 14.8090



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.



28.8869, 45.0354, 15.1535



45.2290, 76.2588, 18.8054



26.5768, 43.7118, 21.0441



10.7652, 12.0259, 11.3166



14.1987, 26.8150, 4.4275



0.7440, 1.3067, 0.2130

Inverse Universe

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



29.2649, 18.3751, 56.0397



45.8072, 25.1596, 97.0497



34.1781, 21.2203, 42.1623



10.7893, 10.6652, 13.4074



14.1776, 6.5431, 35.2601



0.7383, 0.3443, 1.6727

Previews

White Background



This preview shows how the XYZ color 28.8858, 45.0335, 15.1525 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 28.8858, 45.0335, 15.1525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

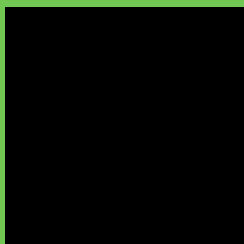
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8858, 45.0335, 15.1525

Background



This preview shows how black text looks on a background with the XYZ color 28.8858, 45.0335, 15.1525.



This preview shows how white text looks on a background with the XYZ color 28.8858, 45.0335,

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

28.8858, 45.0335, 15.1525

Protanopia

40.5136, 44.3684, 13.2661

Deuteranopia

45.2468, 44.1742, 15.8146



Tritanopia

38.4227, 44.9558, 62.5294

Trichromacy



Original Color

28.8858, 45.0335, 15.1525



Protanomaly

34.8704, 43.8834, 13.8402



Deuteranomaly

37.0976, 43.1544, 15.3912



Tritanomaly

33.5548, 44.2423, 39.1188

Monochromacy



Original Color

28.8858, 45.0335, 15.1525



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.6286, 37.7777, 27.5073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8858, 45.0335, 15.1525 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(114, 199, 82)` looks like.

```
.text, #text, p{  
    color:rgb(114, 199, 82)  
}
```

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(114, 199, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 199, 82) }
```

Border

The CSS property to change the border of an element to XYZ 28.8858, 45.0335, 15.1525 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(114, 199, 82) }
```


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

```
.border{ border-color:rgb(114, 199, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 199, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 199, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 199, 82);  
box-shadow:4px 4px 4px 4px rgb(114, 199,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8858, 45.0335, 15.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 199, 82) }
```

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

```
.background{ background-color: rgb(114,  
199, 82) }
```

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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