

Converting Colors

XYZ(29.0857, 45.1645, 18.1531)

Have a look what the booklet for
XYZ(29.0857, 45.1645, 18.1531)
contains.

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Color

**XYZ(29.0903, 45.0709,
18.2327)**

Conversions

Conversions Part 1

Format	Color
Hex	6FC760
RGB	111, 199, 96
RGB Percent	44%, 78%, 38%
CMY	0.5647, 0.2196, 0.6235
CMYK	0.44, 0.00, 0.52, 0.22
HSL	111°, 48%, 58%
HSV	111°, 52%, 78%
XYZ	29.0903, 45.0709, 18.2327
YIQ	160.9460, -19.3850, -50.6890

Conversions

Conversions Part 2

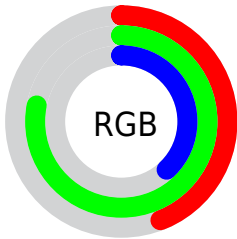
Format	Color
RYB	96, 199, 184
Decimal	7325536
CIELab	72.94, -46.40, 43.11
CIELCh	73, 63.333, 137.108
Yxy	45.0709, 0.3149, 0.4878
Android (android.graphics.Color)	4285515616 (0xFF6FC760)
YUV	160.9460, -32.0184, -43.8026
Hunter-Lab	67.1349, -40.1399, 30.8922

Details

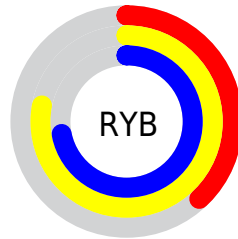
The XYZ color **29.0903, 45.0709, 18.2327** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **34.2611, 22.6812, 56.6074**, and the grayscale version is **34.0027, 35.7735, 38.9573**.

A 20% lighter version of the original color is **57.1212, 81.9054, 41.2325**, and **11.9682, 20.9202, 5.8898** is the 20% darker color. If you saturate the color by 10%, you get **26.3483, 43.7515, 13.9124**, and if you desaturate by 10%, it is **32.4737, 46.6968, 23.7954**.

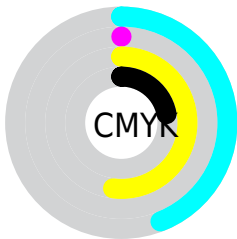
Distribution



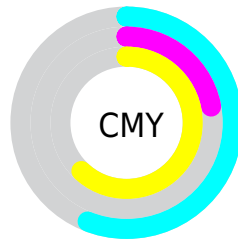
- Red (44%)
- Green (78%)
- Blue (38%)



- Red (38%)
- Yellow (78%)
- Blue (72%)



- Cyan (44%)
- Magenta (0%)
- Yellow (52%)
- Black (22%)





- Cyan (56%)
- Magenta (22%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0903, 45.0709, 18.2327 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 29.0903, 45.0709, 18.2327 by changing the saturation by 10% instead.


 29.0903, 45.0709,
18.2327


 29.0903, 45.0709,
18.2327


289.6273,
367.0606, 254.4594

 19.2938, 31.5133,
10.9460


 57.6171, 82.8268,
41.2527


 11.9880, 20.9900,
5.9168


 77.0781, 107.7939,
57.8231

 6.8077, 13.1167,
2.7266


 100.4912,
137.3328, 78.3252

 3.3874, 7.5090,
0.9568

 128.2219,
171.8282, 103.1775

 1.3618, 3.7824,
0.0000

160.6355,
211.6642, 132.7985

 0.2287, 1.5526,
0.0000

198.0974,

 0.0000, 0.3253,

257.2254, 167.6068

0.0000

240.9729,
308.8960, 208.0209

■ 0.0000, 0.0000,
0.0000

■ 29.0903, 45.0709,
18.2327

■ 29.0903, 45.0709,
18.2327

■ 26.3483, 43.7515,
13.9124

■ 32.4737, 46.6968,
23.7954

■ 24.2033, 42.7138,
10.7363

■ 36.5325, 48.6410,
30.6827

■ 22.6104, 41.9383,
8.5966

■ 41.3022, 50.9213,
38.9733

■ 21.5167, 41.4007,
7.3632

■ 46.8148, 53.5527,
48.7388

■ 20.9304, 41.1096,
6.8318

■ 53.1006, 56.5494,
60.0461

■ 60.1878, 59.9246,
72.9578

■ 68.1035, 63.6909,
87.5332

■ 76.8402, 67.8470,
103.6536

■ 79.7143, 69.3287,
103.7881

Harmonies

Analogous

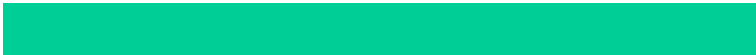
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.8914, 45.0709, 10.8814



29.0903, 45.0709, 18.2327



25.2963, 45.0709, 36.7196

Triad

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



29.0903, 45.0709, 18.2327



38.2739, 45.0709, 135.4131



66.5033, 45.0709, 33.2725

Complementary

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



29.0903, 45.0709, 18.2327



34.2611, 22.6812, 56.6074

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.



67.0467, 45.0709, 63.9298



29.0903, 45.0709, 18.2327



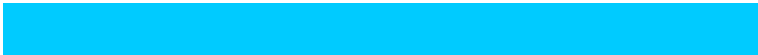
49.3927, 45.0709, 133.1483

Square

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



29.0903, 45.0709, 18.2327



29.9519, 45.0709, 108.4624



60.3522, 45.0709, 103.1838



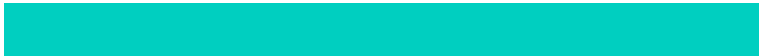
58.9749, 45.0709, 16.6465

Rectangle

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



29.0903, 45.0709, 18.2327



25.0353, 45.0709, 56.9896



60.3522, 45.0709, 103.1838



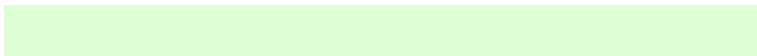
67.5495, 45.0709, 41.9286

Sweetspot

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



29.0914, 45.0728, 18.2337



77.4810, 91.6229, 77.3536



42.7137, 47.0832, 17.9038



16.1558, 19.4066, 15.7988



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.



29.0914, 45.0728, 18.2337



45.6477, 76.3686, 23.6196



29.4170, 45.0031, 28.9850



10.6388, 11.9607, 11.3107



13.5038, 26.4568, 4.3949



0.6869, 1.2772, 0.2103

Inverse Universe

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



34.2611, 22.6812, 56.6074



55.5876, 32.9034, 98.0289



34.3441, 23.1516, 37.2871



10.9255, 10.7354, 13.4138



17.3494, 8.1782, 35.4085



0.8641, 0.4092, 1.6786

Previews

White Background



This preview shows how the XYZ color 29.0903, 45.0709, 18.2327 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 29.0903, 45.0709, 18.2327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

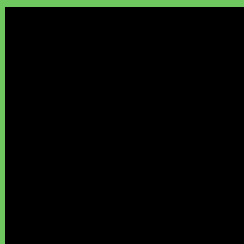
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.0903, 45.0709, 18.2327

Background



This preview shows how black text looks on a background with the XYZ color 29.0903, 45.0709, 18.2327.



This preview shows how white text looks on a background with the XYZ color 29.0903, 45.0709,

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

29.0903, 45.0709, 18.2327

Protanopia

40.7495, 44.4324, 15.8798

Deuteranopia

45.1418, 44.3277, 19.0088



Tritanopia

37.7911, 44.6302, 62.4998

Trichromacy



Original Color

29.0903, 45.0709, 18.2327



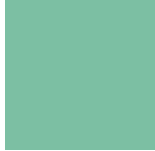
Protanomaly

35.2166, 43.9975, 16.7615



Deuteranomaly

37.1842, 43.4328, 18.4801



Tritanomaly

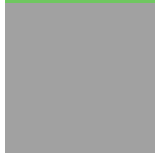
33.5538, 44.1910, 41.4116

Monochromacy



Original Color

29.0903, 45.0709, 18.2327



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.1730, 38.3057, 29.4177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0903, 45.0709, 18.2327 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(111, 199, 96)` looks like.

```
.text, #text, p{  
    color:rgb(111, 199, 96)  
}
```

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(111, 199, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 199, 96) }
```

Border

The CSS property to change the border of an element to XYZ 29.0903, 45.0709, 18.2327 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(111, 199, 96) }
```


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

```
.border{ border-color:rgb(111, 199, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 199, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 199, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 199, 96);  
box-shadow:4px 4px 4px 4px rgb(111, 199,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0903, 45.0709, 18.2327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 199, 96) }
```

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

```
.background{ background-color: rgb(111,  
199, 96) }
```

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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