

# Converting Colors

XYZ(27.0511, 46.0530, 16.7761)

Have a look what the booklet for  
XYZ(27.0511, 46.0530, 16.7761)  
contains.

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# Color

**XYZ(27.0724, 46.1611,  
16.7156)**

# Conversions

Conversions Part 1	
Format	Color
Hex	52CD58
RGB	82, 205, 88
RGB Percent	32%, 80%, 35%
CMY	0.6784, 0.1961, 0.6549
CMYK	0.60, 0.00, 0.57, 0.20
HSL	123°, 55%, 56%
HSV	123°, 60%, 80%
XYZ	27.0724, 46.1611, 16.7156
YIQ	154.8850, -35.7510, -62.4630

# Conversions

## Conversions Part 2

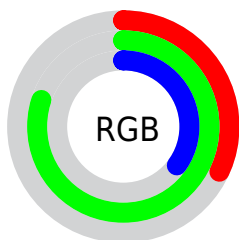
Format	Color
<a href="#">RYB</a>	<a href="#">82, 199, 205</a>
Decimal	<a href="#">5426520</a>
CIELab	<a href="#">73.65, -57.44, 47.48</a>
CIELCh	<a href="#">74, 74.526, 140.426</a>
Yxy	<a href="#">46.1611, 0.3010, 0.5132</a>
Android (android.graphics.Color)	<a href="#">4283616600</a> (0xFF52CD58)
YUV	<a href="#">154.8850, -32.9743, -63.9201</a>
Hunter-Lab	<a href="#">67.9420, -47.7727, 32.9724</a>

# Details

The XYZ color **27.0724, 46.1611, 16.7156** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **38.5041, 23.1378, 56.4699**, and the grayscale version is **31.2583, 32.8862, 35.8131**.

A 20% lighter version of the original color is **51.8954, 79.2827, 37.7672**, and **11.2097, 21.9340, 5.2330** is the 20% darker color. If you saturate the color by 10%, you get **24.8465, 45.0961, 12.9446**, and if you desaturate by 10%, it is **30.0490, 47.5908, 21.6513**.

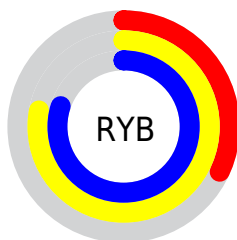
# Distribution



Red (32%)

Green (80%)

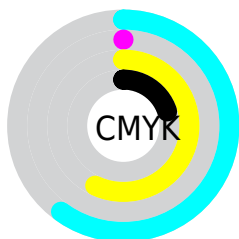
Blue (35%)



Red (32%)

Yellow (78%)

Blue (80%)

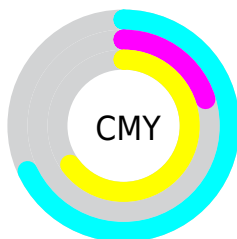


Cyan (60%)

Magenta (0%)

Yellow (57%)

Black (20%)



Cyan (68%)

Magenta (20%)


Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0724, 46.1611, 16.7156 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 27.0724, 46.1611, 16.7156 by changing the saturation by 10% instead.





 27.0724, 46.1611,  
16.7156


 27.0724, 46.1611,  
16.7156


280.1687,  
371.4559, 245.5163


 17.7645, 32.3730,  
9.8721


 54.4191, 84.4600,  
38.6201


 10.8797, 21.6465,  
5.2098


 73.1886, 109.7396,  
54.5181

 6.0527, 13.5974,  
2.3100


 95.8426, 139.6185,  
74.2715

 2.9181, 7.8412,  
0.7368

 122.7466,  
174.4811, 98.2987

 1.1106, 3.9935,  
0.0000

154.2658,  
214.7117, 127.0182

 0.0340, 1.6699,  
0.0000

190.7656,


 0.0000, 0.4041,


260.6948, 160.8486


0.0000


232.6115,  
312.8147, 200.2085


 0.0000, 0.0000,  
0.0000


 27.0724, 46.1611,  
16.7156


 27.0724, 46.1611,  
16.7156


 24.8465, 45.0961,  
12.9446


 30.0490, 47.5908,  
21.6513


 23.3011, 44.3577,  
10.2399

 33.8317, 49.4079,  
27.8332


 22.3591, 43.9098,  
8.4923


 38.4744, 51.6400,  
35.3393


 21.8871, 43.6865,  
7.5661


 44.0256, 54.3105,  
44.2402

 50.5300, 57.4410,  
54.6015

 58.0294, 61.0519,  
66.4848

 66.5633, 65.1621,  
79.9479

 76.1688, 69.7897,  
95.0458

 81.1223, 72.1446,  
104.2574

# Harmonies

## Analogous

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



35.5983, 46.1611, 8.2788



27.0724, 46.1611, 16.7156



23.3017, 46.1611, 39.1136

# Triad

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



27.0724, 46.1611, 16.7156



39.7866, 46.1611, 161.4354



72.2223, 46.1611, 28.9190

# Complementary

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



27.0724, 46.1611, 16.7156



38.5041, 23.1378, 56.4699

# 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.



73.9685, 46.1611, 63.3489



27.0724, 46.1611, 16.7156



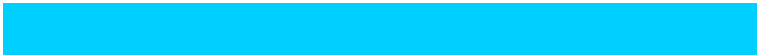
53.3438, 46.1611, 153.8118

# Square

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



27.0724, 46.1611, 16.7156



29.6081, 46.1611, 129.7064



66.4947, 46.1611, 112.2611



62.1154, 46.1611, 12.4696

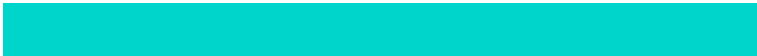


# Rectangle

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



27.0724, 46.1611, 16.7156



23.3447, 46.1611, 64.5994



66.4947, 46.1611, 112.2611



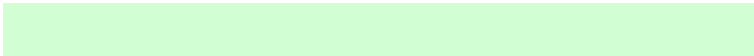
73.8757, 46.1611, 38.2197

# Sweetspot

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



27.0735, 46.1630, 16.7166



73.8834, 89.8101, 75.2929



47.4168, 56.6779, 16.4234



15.1891, 18.9223, 15.1173



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.



27.0735, 46.1630, 16.7166



39.8493, 73.4593, 19.7383



30.6258, 47.5839, 35.4226



11.0899, 12.5457, 12.0307



13.6351, 27.1994, 4.7637



0.7114, 1.4064, 0.2876



# Inverse Universe

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



38.5041, 23.1378, 56.4699



60.1593, 32.4738, 90.3176



32.8848, 20.8901, 26.8793



11.6630, 11.3939, 14.0259



21.8159, 10.5369, 33.0787

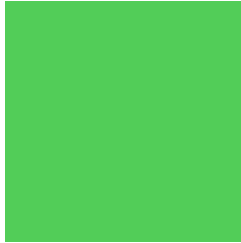


1.1329, 0.5466, 1.7457



# Previews

## White Background



This preview shows how the XYZ color 27.0724, 46.1611, 16.7156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

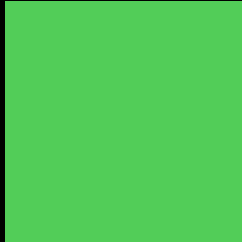
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.0724, 46.1611, 16.7156 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 27.0724, 46.1611, 16.7156**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.0724, 46.1611, 16.7156.



This preview shows how white text looks on a background with the XYZ color 27.0724, 46.1611,



# 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

27.0724, 46.1611, 16.7156

### Protanopia

41.3224, 45.3638, 14.1676

### Deuteranopia

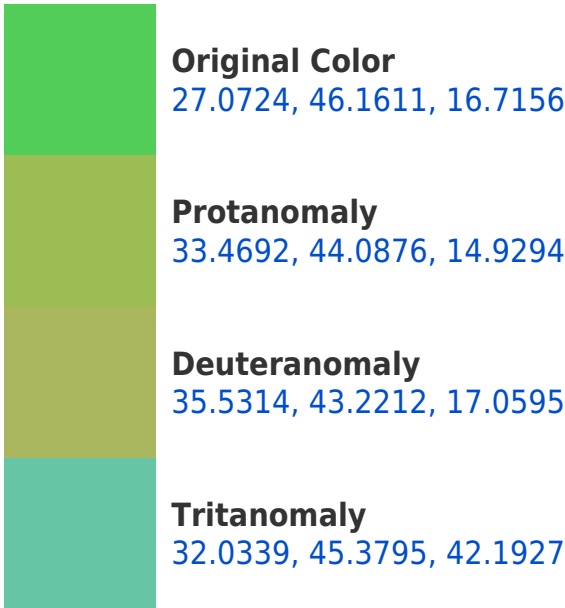
46.2358, 45.2045, 17.5977



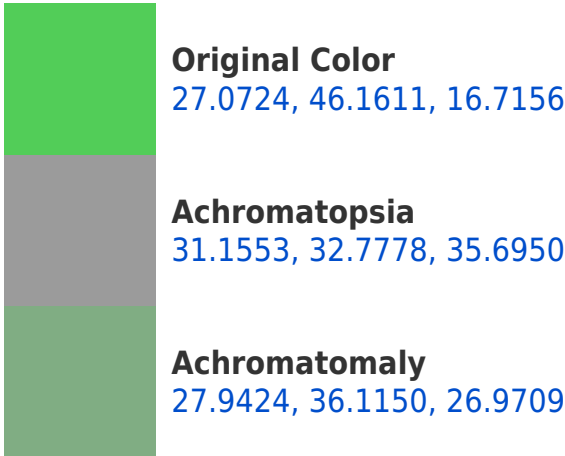
## Tritanopia

37.1372, 46.1387, 66.6228

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.0724, 46.1611, 16.7156 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(82, 205, 88)` looks like.

```
.text, #text, p{  
    color:rgb(82, 205, 88)  
}
```

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(82, 205, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 205, 88) }
```

## Border

The CSS property to change the border of an element to XYZ 27.0724, 46.1611, 16.7156 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(82, 205, 88) }
```



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

```
.border{ border-color:rgb(82, 205, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 205, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 205, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 205, 88);  
box-shadow:4px 4px 4px 4px rgb(82, 205,  
88) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.0724, 46.1611, 16.7156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 205, 88) }
```

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

```
.background{ background-color: rgb(82, 205,  
88) }
```

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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