

# Converting Colors

XYZ(35.0274, 54.0289, 30.4123)

Have a look what the booklet for  
XYZ(35.0274, 54.0289, 30.4123)  
contains.

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# Color

**XYZ(35.0274, 54.0289,  
30.4123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DD884
RGB	109, 216, 132
RGB Percent	43%, 85%, 52%
CMY	0.5725, 0.1529, 0.4823
CMYK	0.50, 0.00, 0.39, 0.15
HSL	133°, 58%, 64%
HSV	133°, 50%, 85%
XYZ	35.0274, 54.0289, 30.4123
YIQ	174.4310, -36.8080, -48.8080

# Conversions

## Conversions Part 2

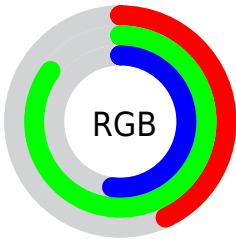
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 197, 216
Decimal	7198852
CIELab	78.48, -48.76, 32.16
CIELCh	78, 58.410, 146.594
Yxy	54.0289, 0.2932, 0.4522
Android (android.graphics.Color)	4285388932 (0xFF6DD884)
YUV	174.4310, -20.9185, -57.3830
Hunter-Lab	73.5044, -43.5711, 26.9219

# Details

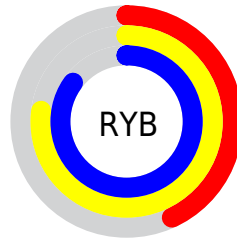
The XYZ color **35.0274, 54.0289, 30.4123** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **43.4149, 29.3875, 53.8379**, and the grayscale version is **40.5729, 42.6859, 46.4849**.

A 20% lighter version of the original color is **60.3488, 83.1722, 59.3275**, and **15.2749, 26.3641, 12.0683** is the 20% darker color. If you saturate the color by 10%, you get **31.6220, 52.3983, 24.6805**, and if you desaturate by 10%, it is **39.2770, 56.0760, 37.1705**.

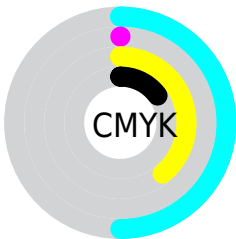
# Distribution



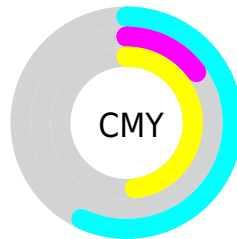
- Red (43%)
- Green (85%)
- Blue (52%)



- Red (43%)
- Yellow (77%)
- Blue (85%)



- Cyan (50%)
- Magenta (0%)
- Yellow (39%)
- Black (15%)




- Cyan (57%)
- Magenta (15%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0274, 54.0289, 30.4123 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 35.0274, 54.0289, 30.4123 by changing the saturation by 10% instead.





 35.0274, 54.0289,  
30.4123


 35.0274, 54.0289,  
30.4123


316.1952,  
402.2202, 318.0885


 23.8506, 38.6248,  
19.8970


 66.8620, 96.1167,  
61.3823

 15.3470, 26.4679,  
12.1369


 88.2504, 123.5691,  
82.6741

 9.1512, 17.1740,  
6.7133


 113.7735,  
155.8064, 108.3952

 4.8978, 10.3587,  
3.2077

143.7965,  
193.2130, 138.9641

 2.2216, 5.6374,  
1.2017

178.6848,  
236.1733, 174.7993

 0.7541, 2.6259,  
0.0000

218.8038,

 0.0000, 0.9397,

285.0717, 216.3194

0.0000

264.5188,  
340.2925, 263.9430

■ 0.0000, 0.0000,  
0.0000

■ 35.0274, 54.0289,  
30.4123

■ 35.0274, 54.0289,  
30.4123

■ 31.6220, 52.3983,  
24.6805

■ 39.2770, 56.0760,  
37.1705

■ 28.9990, 51.1487,  
19.9213

■ 44.4190, 58.5589,  
44.9983

■ 27.0944, 50.2498,  
16.0815


■ 50.5026, 61.5035,  
53.9407


■ 25.8315, 49.6634,  
13.1010


■ 57.5725, 64.9319,  
64.0390


■ 25.0869, 49.3273,  
10.9112

■ 65.6701, 68.8648,  
75.3326

 25.0586, 49.3145,  
10.8276

 74.8346, 73.3216,  
87.8588

 83.1627, 77.3202,  
101.5626

 83.8469, 77.5938,  
105.1656

# Harmonies

## Analogous

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



42.0827, 54.0289, 18.4455



35.0274, 54.0289, 30.4123



32.3027, 54.0289, 55.1477

# Triad

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



35.0274, 54.0289, 30.4123



50.0511, 54.0289, 147.3085



73.7542, 54.0289, 34.8032

# Complementary

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



35.0274, 54.0289, 30.4123



43.4149, 29.3875, 53.8379

# 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.



76.7192, 54.0289, 62.6691



35.0274, 54.0289, 30.4123



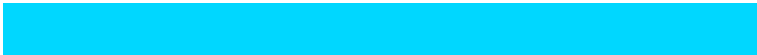
61.8933, 54.0289, 135.4994

# Square

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



35.0274, 54.0289, 30.4123



40.1225, 54.0289, 129.0467



72.0955, 54.0289, 101.0013



64.5046, 54.0289, 20.2359



# Rectangle

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



35.0274, 54.0289, 30.4123



32.9540, 54.0289, 78.8145



72.0955, 54.0289, 101.0013



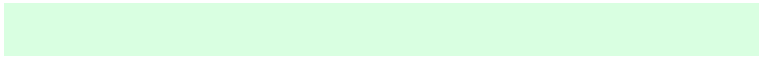
75.5733, 54.0289, 42.5434

# Sweetspot

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



35.0288, 54.0311, 30.4135



77.8878, 91.6682, 84.8029



49.7207, 61.7673, 23.7701



16.2135, 19.3989, 17.4946



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.



35.0288, 54.0311, 30.4135



46.0405, 76.2991, 35.9264



39.5053, 55.8218, 53.9868



12.3706, 13.9392, 13.7659



14.8642, 29.2010, 6.5807



0.9277, 1.7737, 0.5611



# Inverse Universe

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



43.4149, 29.3875, 53.8379



59.5193, 36.5811, 73.4954



38.6042, 27.4632, 28.5054



12.8334, 12.5849, 15.0629



21.0737, 10.3658, 23.4898



1.3002, 0.6369, 1.5702



# Previews

## White Background



This preview shows how the XYZ color 35.0274, 54.0289, 30.4123 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

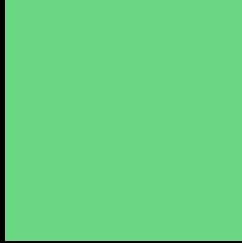
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.0274, 54.0289, 30.4123 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 35.0274, 54.0289, 30.4123**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0274, 54.0289, 30.4123.



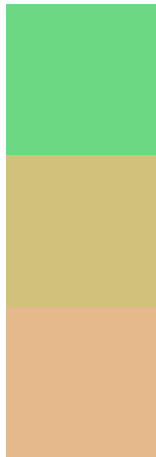
This preview shows how white text looks on a background with the XYZ color 35.0274, 54.0289,



# 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

35.0274, 54.0289, 30.4123

### Protanopia

49.2235, 53.2716, 26.4270

### Deuteranopia

54.3223, 53.2200, 31.8355



## Tritanopia

44.2221, 53.6824, 77.1382

# Trichromacy



## Original Color

35.0274, 54.0289, 30.4123



## Protanomaly

41.8861, 52.1639, 27.5997



## Deuteranomaly

44.1914, 51.5717, 30.9178



## Tritanomaly

40.0118, 53.4126, 56.3449

# Monochromacy



## Original Color

35.0274, 54.0289, 30.4123



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

37.0333, 45.3824, 39.6087

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0274, 54.0289, 30.4123 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(109, 216, 132)` looks like.

```
.text, #text, p{  
    color:rgb(109, 216, 132)  
}
```

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(109, 216, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 216, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0274, 54.0289, 30.4123 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(109, 216, 132) }
```



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

```
.border{ border-color:rgb(109, 216, 132) }
```

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

Here you see how a box with a 4 pixel rgb(109, 216, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 216, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 216, 132);  
box-shadow:4px 4px 4px 4px rgb(109, 216,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0274, 54.0289, 30.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 216, 132) }
```

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

```
.background{ background-color: rgb(109,  
216, 132) }
```

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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