

# Converting Colors

Yxy(53.9697, 0.2935, 0.4529)

Have a look what the booklet for  
Yxy(53.9697, 0.2935, 0.4529)  
contains.

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# Color

**Yxy(54.0016, 0.2937, 0.4537)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DD883
RGB	109, 216, 131
RGB Percent	43%, 85%, 51%
CMY	0.5727, 0.1529, 0.4861
CMYK	0.50, 0.00, 0.39, 0.15
HSL	132°, 58%, 64%
HSV	132°, 50%, 85%
XYZ	34.9576, 54.0016, 30.0657
YIQ	174.3170, -36.4870, -49.1190

# Conversions

## Conversions Part 2

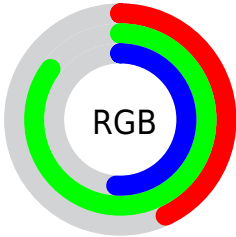
Format	Color
<a href="#">RYB</a>	<a href="#">109, 198, 216</a>
Decimal	<a href="#">7198851</a>
CIELab	<a href="#">78.46, -48.93, 32.63</a>
CIELCh	<a href="#">78, 58.811, 146.301</a>
Yxy	<a href="#">54.0016, 0.2937, 0.4537</a>
Android (android.graphics.Color)	<a href="#">4285388931</a> ( <a href="#">0xFF6DD883</a> )
YUV	<a href="#">174.3170, -21.3553, -57.2830</a>
Hunter-Lab	<a href="#">73.4858, -43.6866, 27.1824</a>

# Details

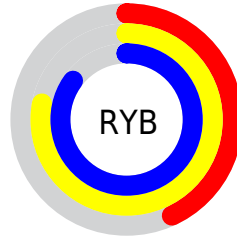
The Yxy color **54.0016, 0.2937, 0.4537** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **29.4215, 0.3418, 0.2311**, and the grayscale version is **42.6229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1298, 0.2980, 0.4112**, and **26.3492, 0.2850, 0.4929** is the 20% darker color. If you saturate the color by 10%, you get **52.3714, 0.2915, 0.4838**, and if you desaturate by 10%, it is **56.0497, 0.2968, 0.4243**.

# Distribution



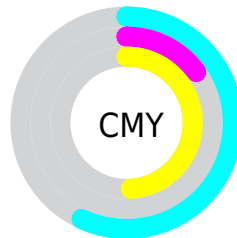
- Red (43%)
- Green (85%)
- Blue (51%)



- Red (43%)
- Yellow (78%)
- Blue (85%)



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




- Cyan (57%)
- Magenta (15%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0016, 0.2937, 0.4537 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 Yxy color 54.0016, 0.2937, 0.4537 by changing the saturation by 10% instead.





 54.0016, 0.2937,  
0.4537


 54.0016, 0.2937,  
0.4537


402.1161, 0.3054,  
0.3887


 38.6029, 0.2901,  
0.4706

 96.0766, 0.2985,  
0.4296

 26.4510, 0.2850,  
0.4925


 123.5217, 0.3001,  
0.4207

 17.1613, 0.2775,  
0.5221


 155.7511, 0.3014,  
0.4132

 10.3496, 0.2658,  
0.5637

193.1492, 0.3025,  
0.4068

 5.6314, 0.2455,  
0.6255

236.1003, 0.3034,  
0.4014

 2.6222, 0.2220,  
0.7780

284.9889, 0.3042,

 0.9379, 0.0000,

0.3966

1.0000

340.1994, 0.3048,  
0.3924

■ 0.0000, 0.0000,  
0.0000

■ 54.0016, 0.2937,  
0.4537

■ 54.0016, 0.2937,  
0.4537

■ 52.3714, 0.2915,  
0.4838

■ 56.0497, 0.2968,  
0.4243

■ 51.1236, 0.2904,  
0.5130

■ 58.5352, 0.3005,  
0.3966

■ 50.2276, 0.2906,  
0.5398


■ 61.4841, 0.3046,  
0.3711


■ 49.6451, 0.2921,  
0.5624


■ 64.9187, 0.3087,  
0.3483


■ 49.3133, 0.2944,  
0.5797

■ 68.8596, 0.3129,  
0.3282

 49.3012, 0.2945,  
0.5803

 73.3264, 0.3169,  
0.3105

 77.3442, 0.3171,  
0.2947

 77.5953, 0.3145,  
0.2910

# Harmonies

## Analogous

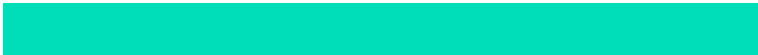
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.0016, 0.3683, 0.4725



54.0016, 0.2937, 0.4537



54.0016, 0.2283, 0.3831

# Triad

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



54.0016, 0.2937, 0.4537



54.0016, 0.1981, 0.2144



54.0016, 0.4543, 0.3317

# Complementary

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



54.0016, 0.2937, 0.4537



29.4215, 0.3418, 0.2311

# 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.



54.0016, 0.3965, 0.2785



54.0016, 0.2937, 0.4537



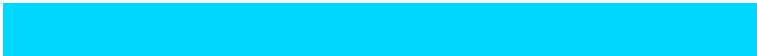
54.0016, 0.2451, 0.2141

# Square

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



54.0016, 0.2937, 0.4537



54.0016, 0.1789, 0.2419



54.0016, 0.3166, 0.2370



54.0016, 0.4660, 0.3890



# Rectangle

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



54.0016, 0.2937, 0.4537



54.0016, 0.1984, 0.3266



54.0016, 0.3166, 0.2370



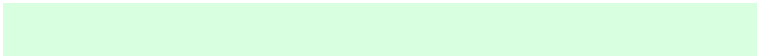
54.0016, 0.4394, 0.3132

# Sweetspot

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



54.0038, 0.2937, 0.4537



91.6499, 0.3064, 0.3607



61.7673, 0.3676, 0.4567



19.3945, 0.3055, 0.3657



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.0038, 0.2937, 0.4537



76.2616, 0.2915, 0.4838



55.8204, 0.2646, 0.3739



13.9375, 0.3088, 0.3480



29.1919, 0.2939, 0.5781



1.7729, 0.2849, 0.5457



# Inverse Universe

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



29.4215, 0.3418, 0.2311



36.6522, 0.3496, 0.2146



27.4548, 0.4082, 0.2904



12.5868, 0.3169, 0.3107



10.4079, 0.3807, 0.1871



0.6391, 0.3684, 0.1803



# Previews

## White Background



This preview shows how the Yxy color 54.0016, 0.2937, 0.4537 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 Yxy color 54.0016, 0.2937, 0.4537 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](#).

**Yxy 54.0016, 0.2937, 0.4537**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.0016, 0.2937, 0.4537.



This preview shows how white text looks on a background with the Yxy color 54.0016, 0.2937, 0.4537.

# 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

54.0016, 0.2937, 0.4537

### Protanopia

53.2467, 0.3826, 0.4143

### Deuteranopia

53.1909, 0.3906, 0.3830



## Tritanopia

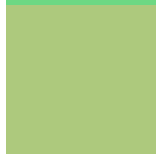
53.6824, 0.2526, 0.3067

## Trichromacy



### Original Color

54.0016, 0.2937, 0.4537



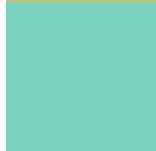
### Protanomaly

52.1382, 0.3450, 0.4301



### Deuteranomaly

51.5434, 0.3496, 0.4084



### Tritanomaly

53.4126, 0.2672, 0.3566

## Monochromacy



### Original Color

54.0016, 0.2937, 0.4537



### Achromatopsia

42.3268, 0.3127, 0.3290



### Achromatomaly

45.3478, 0.3042, 0.3734

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.0016, 0.2937, 0.4537 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(109, 216, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 216, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0016, 0.2937, 0.4537 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, 131) }
```

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

```
.border{ border-color:rgb(109, 216, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 216, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 216, 131);  
box-shadow:4px 4px 4px 4px rgb(109, 216,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.0016, 0.2937, 0.4537 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, 131) }
```

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

```
.background{ background-color: rgb(109,  
216, 131) }
```

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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