

# Converting Colors

$Yxy(54.5475, 0.2673, 0.4253)$

Have a look what the booklet for  
Yxy(54.5475, 0.2673, 0.4253)  
contains.

|  |    |
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# Color

**Yxy(54.6158, 0.2675, 0.4259)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 4EDB9A                       |
| RGB         | 78, 219, 154                 |
| RGB Percent | 31%, 86%, 60%                |
| CMY         | 0.6944, 0.1411, 0.3960       |
| CMYK        | 0.64, 0.00, 0.30, 0.14       |
| HSL         | 152°, 66%, 58%               |
| HSV         | 152°, 64%, 86%               |
| XYZ         | 34.3032, 54.6158, 39.3172    |
| YIQ         | 169.4310, -63.1710, -50.1070 |

# Conversions

## Conversions Part 2

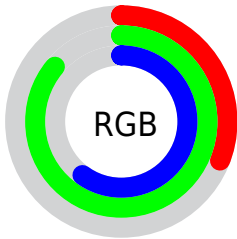
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">78, 170, 219</a>                                 |
| Decimal                             | <a href="#">5168026</a>                                      |
| CIELab                              | <a href="#">78.82, -52.72, 21.06</a>                         |
| CIELCh                              | <a href="#">79, 56.768, 158.222</a>                          |
| Yxy                                 | <a href="#">54.6158, 0.2675, 0.4259</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4283358106</a><br>( <a href="#">0xFF4EDB9A</a> ) |
| YUV                                 | <a href="#">169.4310, -7.6075, -80.1850</a>                  |
| Hunter-Lab                          | <a href="#">73.9025, -46.4754, 20.1886</a>                   |

# Details

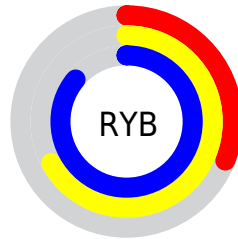
The Yxy color **54.6158, 0.2675, 0.4259** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **22.4800, 0.4205, 0.2563**, and the grayscale version is **39.9549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7862, 0.2734, 0.3838**, and **27.1737, 0.2592, 0.4531** is the 20% darker color. If you saturate the color by 10%, you get **53.5207, 0.2655, 0.4441**, and if you desaturate by 10%, it is **56.0514, 0.2714, 0.4081**.

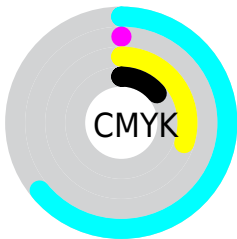
# Distribution



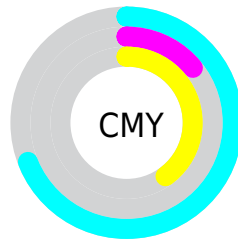
- Red (31%)
- Green (86%)
- Blue (60%)



- Red (31%)
- Yellow (67%)
- Blue (86%)



- Cyan (64%)
- Magenta (0%)
- Yellow (30%)
- Black (14%)




- Cyan (69%)
- Magenta (14%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.6158, 0.2675, 0.4259 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 54.6158, 0.2675, 0.4259 by changing the saturation by 10% instead.





 54.6158, 0.2675,  
0.4259


 54.6158, 0.2675,  
0.4259


404.4539, 0.2909,  
0.3758


 39.0942, 0.2615,  
0.4389


 96.9778, 0.2762,  
0.4073


 26.8330, 0.2536,  
0.4557


 124.5870, 0.2794,  
0.4005

 17.4479, 0.2429,  
0.4786


 156.9942, 0.2821,  
0.3947

 10.5543, 0.2278,  
0.5110

 194.5838, 0.2843,  
0.3898

 5.7680, 0.2048,  
0.5604

237.7402, 0.2863,  
0.3856

 2.7045, 0.1653,  
0.6449

286.8477, 0.2880,

 0.9795, 0.0000,

0.3819

1.0000

342.2908, 0.2895,  
0.3787

■ 0.0000, 0.0000,  
0.0000

■ 54.6158, 0.2675,  
0.4259

■ 54.6158, 0.2675,  
0.4259

■ 53.5207, 0.2655,  
0.4441

■ 56.0514, 0.2714,  
0.4081

■ 52.7267, 0.2655,  
0.4621

■ 57.8490, 0.2769,  
0.3909


■ 52.1965, 0.2675,  
0.4796


■ 60.0361, 0.2837,  
0.3748


■ 51.9786, 0.2692,  
0.4890


■ 62.6356, 0.2915,  
0.3599

■ 65.6685, 0.3000,  
0.3463

 69.1543, 0.3088,  
0.3340

 73.1115, 0.3177,  
0.3231

 77.5573, 0.3266,  
0.3134

 78.5085, 0.3211,  
0.3037

# Harmonies

## Analogous

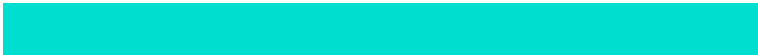
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.6158, 0.3385, 0.4663



54.6158, 0.2675, 0.4259



54.6158, 0.2126, 0.3485

# Triad

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



54.6158, 0.2675, 0.4259



54.6158, 0.2168, 0.2151



54.6158, 0.4592, 0.3541

# Complementary

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



54.6158, 0.2675, 0.4259



22.4800, 0.4205, 0.2563

# 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.



54.6158, 0.4196, 0.3000



54.6158, 0.2675, 0.4259



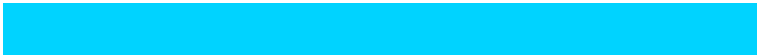
54.6158, 0.2728, 0.2241

# Square

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



54.6158, 0.2675, 0.4259



54.6158, 0.1873, 0.2310



54.6158, 0.3477, 0.2542



54.6158, 0.4522, 0.4092



# Rectangle

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



54.6158, 0.2675, 0.4259



54.6158, 0.1912, 0.2976



54.6158, 0.3477, 0.2542



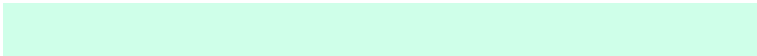
54.6158, 0.4510, 0.3356

# Sweetspot

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



54.6180, 0.2675, 0.4259



90.5859, 0.2959, 0.3525



57.1245, 0.3423, 0.5123



19.1294, 0.2935, 0.3565



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.



54.6180, 0.2675, 0.4259



75.1399, 0.2652, 0.4500



54.9795, 0.2348, 0.3224



14.7231, 0.3043, 0.3400



30.8406, 0.2685, 0.4865



2.0153, 0.2607, 0.4584



# Inverse Universe

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



22.4800, 0.4205, 0.2563



26.5247, 0.4558, 0.2507



21.7403, 0.5177, 0.3344



13.1508, 0.3220, 0.3183



9.5071, 0.5116, 0.2592

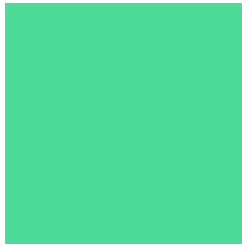


0.6332, 0.4725, 0.2377



# Previews

## White Background



This preview shows how the Yxy color 54.6158, 0.2675, 0.4259 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 54.6158, 0.2675, 0.4259 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 54.6158, 0.2675, 0.4259**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.6158, 0.2675, 0.4259.



This preview shows how white text looks on a background with the Yxy color 54.6158, 0.2675, 0.4259.

# 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

54.6158, 0.2675, 0.4259

### Protanopia

53.5028, 0.3654, 0.3912

### Deuteranopia

53.3790, 0.3654, 0.3584



## Tritanopia

54.5823, 0.2392, 0.3064

# Trichromacy



## Original Color

54.6158, 0.2675, 0.4259



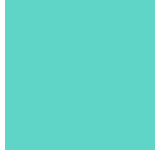
## Protanomaly

51.8934, 0.3205, 0.4056



## Deuteranomaly

51.4028, 0.3196, 0.3826



## Tritanomaly

54.1915, 0.2493, 0.3470

# Monochromacy



## Original Color

54.6158, 0.2675, 0.4259



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

43.4552, 0.2891, 0.3628

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.6158, 0.2675, 0.4259 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(78, 219, 154)` looks like.

```
.text, #text, p{  
    color:rgb(78, 219, 154)  
}
```

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(78, 219, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 219, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 54.6158, 0.2675, 0.4259 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(78, 219, 154) }
```

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

```
.border{ border-color:rgb(78, 219, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 219, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 219, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 219, 154);  
box-shadow:4px 4px 4px 4px rgb(78, 219,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.6158, 0.2675, 0.4259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 219, 154) }
```

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

```
.background{ background-color: rgb(78, 219,  
154) }
```

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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