

# Converting Colors

$Yxy(54.4802, 0.2619, 0.4286)$

Have a look what the booklet for  
Yxy(54.4802, 0.2619, 0.4286)  
contains.

<b>Yxy(54.4802, 0.2619, 0.4286)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(54.4802, 0.2619, 0.4286)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CDC9A
RGB	60, 220, 154
RGB Percent	24%, 86%, 60%
CMY	0.7647, 0.1372, 0.3960
CMYK	0.73, 0.00, 0.30, 0.14
HSL	155°, 70%, 55%
HSV	155°, 73%, 86%
XYZ	33.2906, 54.4802, 39.3412
YIQ	164.6360, -74.1740, -54.4460

# Conversions

## Conversions Part 2

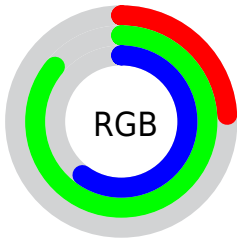
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 161, 220
Decimal	3988634
CIELab	78.74, -55.92, 20.90
CIELCh	79, 59.693, 159.508
Yxy	54.4802, 0.2619, 0.4286
Android (android.graphics.Color)	4282178714 (0xFF3CDC9A)
YUV	164.6360, -5.2435, -91.7658
Hunter-Lab	73.8107, -48.6604, 20.0659

# Details

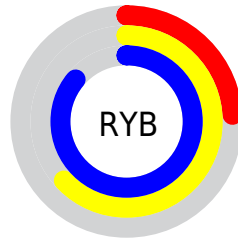
The Yxy color **54.4802, 0.2619, 0.4286** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **19.9541, 0.4556, 0.2605**, and the grayscale version is **37.4977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7126, 0.2677, 0.3847**, and **27.5302, 0.2596, 0.4545** is the 20% darker color. If you saturate the color by 10%, you get **53.6427, 0.2612, 0.4448**, and if you desaturate by 10%, it is **55.6295, 0.2646, 0.4125**.

# Distribution



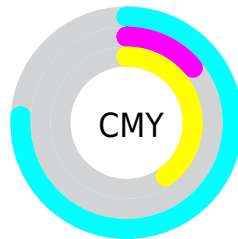
- Red (24%)
- Green (86%)
- Blue (60%)



- Red (24%)
- Yellow (63%)
- Blue (86%)



- Cyan (73%)
- Magenta (0%)
- Yellow (30%)
- Black (14%)




- Cyan (76%)
- Magenta (14%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.4802, 0.2619, 0.4286 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 54.4802, 0.2619, 0.4286 by changing the saturation by 10% instead.




 54.4802, 0.2619,  
0.4286


 54.4802, 0.2619,  
0.4286

403.9385, 0.2880,  
0.3770

 38.9857, 0.2552,  
0.4420


 96.7790, 0.2716,  
0.4095

 26.7486, 0.2465,  
0.4594

 124.3520, 0.2751,  
0.4024

 17.3845, 0.2347,  
0.4830

 156.7200, 0.2781,  
0.3965

 10.5090, 0.2181,  
0.5165

 194.2674, 0.2807,  
0.3914

 5.7377, 0.1931,  
0.5675

 237.3786, 0.2829,  
0.3871

 2.6863, 0.1484,  
0.6566

286.4379, 0.2849,


 0.9702, 0.0000,


0.3833

1.0000


341.8297, 0.2865,  
0.3800

 0.0000, 0.0000,  
0.0000


 54.4802, 0.2619,  
0.4286


 54.4802, 0.2619,  
0.4286


 53.6427, 0.2612,  
0.4448


 55.6295, 0.2646,  
0.4125


 53.0720, 0.2625,  
0.4607


 57.1161, 0.2692,  
0.3967


 52.7801, 0.2644,  
0.4719

 58.9698, 0.2755,  
0.3816


 61.2155, 0.2830,  
0.3675

 63.8758, 0.2914,  
0.3544

 66.9716, 0.3006,  
0.3425

 70.5221, 0.3101,  
0.3317

 74.5458, 0.3198,  
0.3221

 78.4851, 0.3272,  
0.3135

# Harmonies

## Analogous

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



54.4802, 0.3357, 0.4734



54.4802, 0.2619, 0.4286



54.4802, 0.2059, 0.3455

# Triad

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



54.4802, 0.2619, 0.4286



54.4802, 0.2144, 0.2100



54.4802, 0.4674, 0.3569

# Complementary

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



54.4802, 0.2619, 0.4286



19.9541, 0.4556, 0.2605

# 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.



54.4802, 0.4279, 0.3006



54.4802, 0.2619, 0.4286



54.4802, 0.2737, 0.2205

# Square

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



54.4802, 0.2619, 0.4286



54.4802, 0.1826, 0.2250



54.4802, 0.3528, 0.2526



54.4802, 0.4574, 0.4143



# Rectangle

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



54.4802, 0.2619, 0.4286



54.4802, 0.1847, 0.2923



54.4802, 0.3528, 0.2526



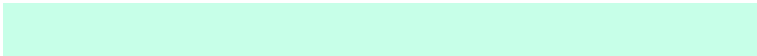
54.4802, 0.4596, 0.3376

# Sweetspot

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



54.4824, 0.2619, 0.4286



89.4670, 0.2919, 0.3537



56.0008, 0.3365, 0.5367



18.9175, 0.2895, 0.3572



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.



54.4824, 0.2619, 0.4286



74.5085, 0.2616, 0.4528



50.5939, 0.2269, 0.3101



14.7340, 0.3037, 0.3388



30.9979, 0.2638, 0.4695



2.0252, 0.2567, 0.4441



# Inverse Universe

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



19.9541, 0.4556, 0.2605



23.8275, 0.5009, 0.2625



20.3518, 0.5496, 0.3417



13.1401, 0.3227, 0.3194



9.3914, 0.5316, 0.2702

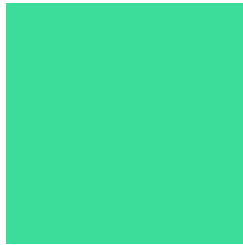


0.6253, 0.4893, 0.2469



# Previews

## White Background



This preview shows how the Yxy color 54.4802, 0.2619, 0.4286 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 54.4802, 0.2619, 0.4286 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 54.4802, 0.2619, 0.4286**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.4802, 0.2619, 0.4286.



This preview shows how white text looks on a background with the Yxy color 54.4802, 0.2619, 0.4286.

# 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

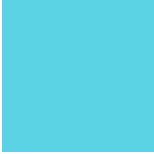
54.4802, 0.2619, 0.4286

### Protanopia

53.3583, 0.3645, 0.3914

### Deuteranopia

53.4144, 0.3645, 0.3572



## **Tritanopia**

54.4653, 0.2345, 0.3062

# Trichromacy



## Original Color

54.4802, 0.2619, 0.4286



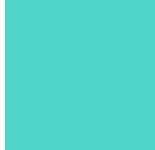
## Protanomaly

51.6572, 0.3150, 0.4081



## Deuteranomaly

50.7839, 0.3141, 0.3820



## Tritanomaly

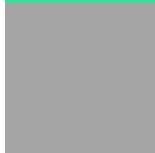
54.0157, 0.2436, 0.3471

# Monochromacy



## Original Color

54.4802, 0.2619, 0.4286



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

41.7832, 0.2844, 0.3653

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.4802, 0.2619, 0.4286 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(60, 220, 154)` looks like.

```
.text, #text, p{  
  color:rgb(60, 220, 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(60, 220, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 220, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 54.4802, 0.2619, 0.4286 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(60, 220, 154) }
```

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

```
.border{ border-color:rgb(60, 220, 154) }
```

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

Here you see how a box with a 4 pixel rgb(60, 220, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 220, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 220, 154);  
box-shadow:4px 4px 4px 4px rgb(60, 220,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.4802, 0.2619, 0.4286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 220, 154) }
```

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

```
.background{ background-color: rgb(60, 220,  
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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