

# Converting Colors

Yxy(51.5648, 0.2837, 0.4103)

Have a look what the booklet for  
Yxy(51.5648, 0.2837, 0.4103)  
contains.

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# Color

**Yxy(51.5789, 0.2835, 0.4096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73D19A
RGB	115, 209, 154
RGB Percent	45%, 82%, 60%
CMY	0.5492, 0.1804, 0.3961
CMYK	0.45, 0.00, 0.26, 0.18
HSL	145°, 51%, 64%
HSV	145°, 45%, 82%
XYZ	35.6998, 51.5789, 38.6464
YIQ	174.6240, -38.3690, -37.0330

# Conversions

## Conversions Part 2

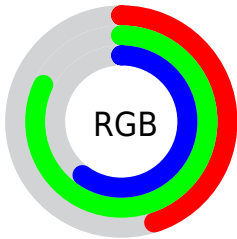
Format	Color
<a href="#">RYB</a>	<a href="#">115, 181, 209</a>
Decimal	<a href="#">7590298</a>
CIELab	<a href="#">77.03, -40.23, 18.79</a>
CIELCh	<a href="#">77, 44.401, 154.966</a>
Yxy	<a href="#">51.5789, 0.2835, 0.4096</a>
Android (android.graphics.Color)	<a href="#">4285780378 (0xFF73D19A)</a>
YUV	<a href="#">174.6240, -10.1676, -52.2902</a>
Hunter-Lab	<a href="#">71.8185, -36.9529, 18.3682</a>

# Details

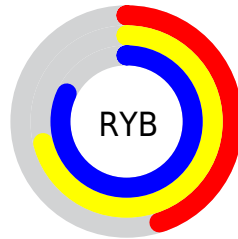
The Yxy color **51.5789, 0.2835, 0.4096** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.7109, 0.3612, 0.2614**, and the grayscale version is **42.7303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7814, 0.2884, 0.3816**, and **25.0203, 0.2742, 0.4340** is the 20% darker color. If you saturate the color by 10%, you get **49.9348, 0.2792, 0.4317**, and if you desaturate by 10%, it is **53.5899, 0.2890, 0.3887**.

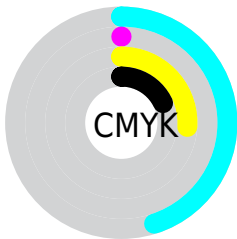
# Distribution



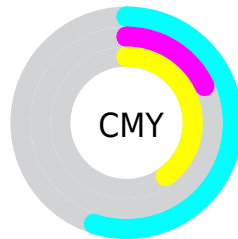
- Red (45%)
- Green (82%)
- Blue (60%)



- Red (45%)
- Yellow (71%)
- Blue (82%)



- Cyan (45%)
- Magenta (0%)
- Yellow (26%)
- Black (18%)




- Cyan (55%)
- Magenta (18%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5789, 0.2835, 0.4096 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 51.5789, 0.2835, 0.4096 by changing the saturation by 10% instead.





 51.5789, 0.2835,  
0.4096


 51.5789, 0.2835,  
0.4096


392.8088, 0.2989,  
0.3679


 36.6695, 0.2794,  
0.4204

 92.5099, 0.2893,  
0.3941

 24.9517, 0.2741,  
0.4346


 119.3003, 0.2914,  
0.3884

 16.0411, 0.2667,  
0.4538


 150.8199, 0.2931,  
0.3836

 9.5532, 0.2559,  
0.4813

187.4530, 0.2946,  
0.3795

 5.1038, 0.2390,  
0.5236

229.5841, 0.2959,  
0.3760

 2.3083, 0.2099,  
0.5985

277.5975, 0.2970,

 0.7781, 0.0000,

0.3730

1.0000

331.8776, 0.2980,  
0.3703

0.0000, 0.0000,  
0.0000

51.5789, 0.2835,  
0.4096

51.5789, 0.2835,  
0.4096

49.9348, 0.2792,  
0.4317

53.5899, 0.2890,  
0.3887

48.6280, 0.2763,  
0.4546

55.9825, 0.2953,  
0.3694

47.6346, 0.2752,  
0.4774

58.7784, 0.3021,  
0.3519


46.9245, 0.2761,  
0.4995


61.9956, 0.3092,  
0.3362


46.4612, 0.2787,  
0.5200


65.6510, 0.3163,  
0.3222

 46.2897, 0.2804,  
0.5296

 69.7608, 0.3233,  
0.3099

 73.1316, 0.3255,  
0.2987

 73.8811, 0.3170,  
0.2871

 74.0855, 0.3148,  
0.2841

# Harmonies

## Analogous

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



51.5789, 0.3418, 0.4378



51.5789, 0.2835, 0.4096



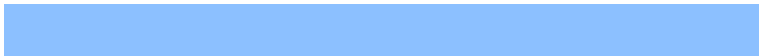
51.5789, 0.2358, 0.3523

# Triad

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



51.5789, 0.2835, 0.4096



51.5789, 0.2307, 0.2359



51.5789, 0.4280, 0.3470

# Complementary

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



51.5789, 0.2835, 0.4096



28.7109, 0.3612, 0.2614

# 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.



51.5789, 0.3926, 0.3018



51.5789, 0.2835, 0.4096



51.5789, 0.2752, 0.2407

# Square

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



51.5789, 0.2835, 0.4096



51.5789, 0.2082, 0.2529



51.5789, 0.3346, 0.2643



51.5789, 0.4279, 0.3924



# Rectangle

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



51.5789, 0.2835, 0.4096



51.5789, 0.2157, 0.3116



51.5789, 0.3346, 0.2643



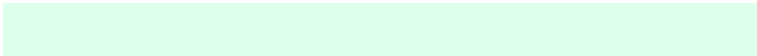
51.5789, 0.4198, 0.3315

# Sweetspot

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



51.5810, 0.2835, 0.4096



93.0595, 0.3034, 0.3489



55.5443, 0.3478, 0.4516



19.6912, 0.3018, 0.3526



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.



51.5810, 0.2835, 0.4096



78.3967, 0.2793, 0.4309



53.3995, 0.2576, 0.3418



13.2865, 0.3060, 0.3429



28.5566, 0.2797, 0.5269



1.6123, 0.2694, 0.4899



# Inverse Universe

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



28.7109, 0.3612, 0.2614



38.1224, 0.3764, 0.2482



27.2743, 0.4200, 0.3175



11.9226, 0.3200, 0.3155



9.2479, 0.4591, 0.2303



0.5327, 0.4270, 0.2126



# Previews

## White Background



This preview shows how the Yxy color 51.5789, 0.2835, 0.4096 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 51.5789, 0.2835, 0.4096 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 51.5789, 0.2835, 0.4096**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5789, 0.2835, 0.4096.



This preview shows how white text looks on a background with the Yxy color 51.5789, 0.2835, 0.4096.

# 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

51.5789, 0.2835, 0.4096

### Protanopia

50.9961, 0.3590, 0.3841

### Deuteranopia

50.8994, 0.3630, 0.3554



## Tritanopia

51.5289, 0.2544, 0.3077

# Trichromacy



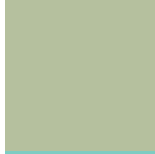
## Original Color

51.5789, 0.2835, 0.4096



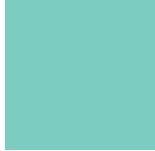
## Protanomaly

50.1640, 0.3272, 0.3940



## Deuteranomaly

49.9917, 0.3296, 0.3738



## Tritanomaly

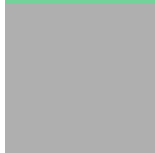
51.4407, 0.2651, 0.3427

# Monochromacy



## Original Color

51.5789, 0.2835, 0.4096



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

45.1030, 0.3000, 0.3572

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5789, 0.2835, 0.4096 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(115, 209, 154)` looks like.

```
.text, #text, p{  
    color:rgb(115, 209, 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(115, 209, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 209, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5789, 0.2835, 0.4096 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(115, 209, 154) }
```

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

```
.border{ border-color:rgb(115, 209, 154) }
```

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

Here you see how a box with a 4 pixel rgb(115, 209, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 209, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 209, 154);  
box-shadow:4px 4px 4px 4px rgb(115, 209,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5789, 0.2835, 0.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 209, 154) }
```

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

```
.background{ background-color: rgb(115,  
209, 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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