

# Converting Colors

Yxy(51.0716, 0.2884, 0.3840)

Have a look what the booklet for  
Yxy(51.0716, 0.2884, 0.3840)  
contains.

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# Color

**Yxy(51.0532, 0.2888, 0.3843)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87CCA5
RGB	135, 204, 165
RGB Percent	53%, 80%, 65%
CMY	0.4709, 0.1999, 0.3529
CMYK	0.34, 0.00, 0.19, 0.20
HSL	146°, 40%, 66%
HSV	146°, 34%, 80%
XYZ	38.3663, 51.0532, 43.4278
YIQ	178.9230, -28.6050, -26.7570

# Conversions

## Conversions Part 2

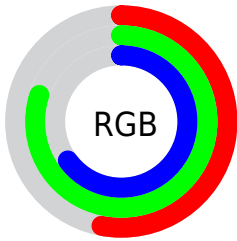
Format	Color
<a href="#">RYB</a>	<a href="#">135, 183, 204</a>
Decimal	<a href="#">8899749</a>
CIELab	<a href="#">76.71, -30.10, 12.63</a>
CIElCh	<a href="#">77, 32.637, 157.238</a>
Yxy	<a href="#">51.0532, 0.2888, 0.3843</a>
Android (android.graphics.Color)	<a href="#">4287089829 (0xFF87CCA5)</a>
YUV	<a href="#">178.9230, -6.8640, -38.5205</a>
Hunter-Lab	<a href="#">71.4515, -29.1936, 13.9800</a>

# Details

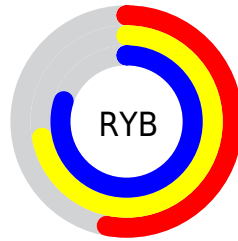
The Yxy color **51.0532, 0.2888, 0.3843** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.1999, 0.3472, 0.2798**, and the grayscale version is **45.0769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6345, 0.2932, 0.3675**, and **24.4810, 0.2815, 0.4005** is the 20% darker color. If you saturate the color by 10%, you get **49.1224, 0.2830, 0.4042**, and if you desaturate by 10%, it is **53.3502, 0.2954, 0.3659**.

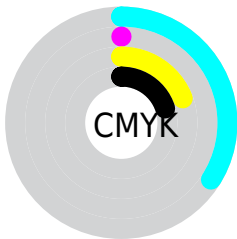
# Distribution



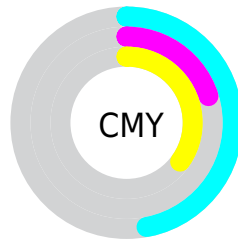
- Red (53%)
- Green (80%)
- Blue (65%)



- Red (53%)
- Yellow (72%)
- Blue (80%)



- Cyan (34%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)




- Cyan (47%)
- Magenta (20%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0532, 0.2888, 0.3843 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 51.0532, 0.2888, 0.3843 by changing the saturation by 10% instead.




 51.0532, 0.2888,  
0.3843

 51.0532, 0.2888,  
0.3843


390.7704, 0.3011,  
0.3560


 36.2509, 0.2856,  
0.3915


 91.7334, 0.2933,  
0.3739

 24.6281, 0.2815,  
0.4010


 118.3802, 0.2950,  
0.3700

 15.8002, 0.2760,  
0.4137


 149.7438, 0.2964,  
0.3668

 9.3829, 0.2680,  
0.4318

186.2089, 0.2976,  
0.3640

 4.9917, 0.2557,  
0.4596

228.1597, 0.2987,  
0.3616

 2.2424, 0.2346,  
0.5072

275.9806, 0.2996,

 0.7430, 0.0000,

0.3595

1.0000

330.0561, 0.3004,  
0.3577

0.0000, 0.0000,  
0.0000

51.0532, 0.2888,  
0.3843

51.0532, 0.2888,  
0.3843

49.1224, 0.2830,  
0.4042

53.3502, 0.2954,  
0.3659

47.5319, 0.2784,  
0.4254

56.0251, 0.3025,  
0.3493

46.2623, 0.2752,  
0.4473


59.0969, 0.3098,  
0.3343


45.2896, 0.2737,  
0.4695


62.5813, 0.3173,  
0.3211

44.5860, 0.2742,  
0.4911

66.4934, 0.3246,  
0.3093

 44.1184, 0.2766,  
0.5114

 70.4021, 0.3299,  
0.2989

 43.9123, 0.2786,  
0.5230

 71.0865, 0.3216,  
0.2879

 71.6743, 0.3151,  
0.2792

# Harmonies

## Analogous

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



51.0532, 0.3324, 0.4072



51.0532, 0.2888, 0.3843



51.0532, 0.2533, 0.3433

# Triad

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



51.0532, 0.2888, 0.3843



51.0532, 0.2530, 0.2582



51.0532, 0.3985, 0.3471

# Complementary

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



51.0532, 0.2888, 0.3843



33.1999, 0.3472, 0.2798

# 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.



51.0532, 0.3743, 0.3118



51.0532, 0.2888, 0.3843



51.0532, 0.2884, 0.2625

# Square

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



51.0532, 0.2888, 0.3843



51.0532, 0.2339, 0.2710



51.0532, 0.3329, 0.2817



51.0532, 0.3974, 0.3808



# Rectangle

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



51.0532, 0.2888, 0.3843



51.0532, 0.2383, 0.3143



51.0532, 0.3329, 0.2817



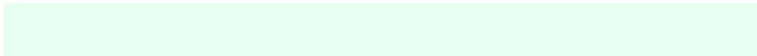
51.0532, 0.3931, 0.3351

# Sweetspot

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



51.0553, 0.2888, 0.3843



94.5874, 0.3052, 0.3435



53.9489, 0.3383, 0.4202



20.0946, 0.3042, 0.3457



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

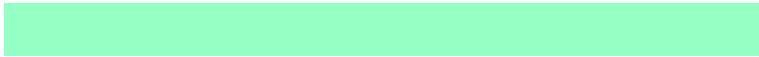


# Same Dimension

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



51.0553, 0.2888, 0.3843



82.0304, 0.2843, 0.3994



52.4814, 0.2677, 0.3351



12.6167, 0.3058, 0.3424



27.6514, 0.2779, 0.5204



1.4416, 0.2671, 0.4816



# Inverse Universe

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



33.1999, 0.3472, 0.2798



47.8444, 0.3581, 0.2686



32.0257, 0.3861, 0.3232



11.3180, 0.3203, 0.3160



8.8810, 0.4672, 0.2347



0.4732, 0.4310, 0.2148



# Previews

## White Background



This preview shows how the Yxy color 51.0532, 0.2888, 0.3843 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 51.0532, 0.2888, 0.3843 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 51.0532, 0.2888, 0.3843**

## Background



This preview shows how black text looks on a background with the Yxy color 51.0532, 0.2888, 0.3843.



This preview shows how white text looks on a background with the Yxy color 51.0532, 0.2888, 0.3843.

# 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

51.0532, 0.2888, 0.3843

### Protanopia

50.5429, 0.3468, 0.3681

### Deuteranopia

50.6543, 0.3507, 0.3435



## Tritanopia

50.7563, 0.2648, 0.3079

# Trichromacy



**Original Color**

51.0532, 0.2888, 0.3843

**Protanomaly**

50.3517, 0.3235, 0.3742

**Deuteranomaly**

49.9684, 0.3255, 0.3576

**Tritanomaly**

50.9568, 0.2729, 0.3343

# Monochromacy



**Original Color**

51.0532, 0.2888, 0.3843

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

46.8090, 0.3029, 0.3481

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0532, 0.2888, 0.3843 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(135, 204, 165)` looks like.

```
.text, #text, p{  
    color:rgb(135, 204, 165)  
}
```

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(135, 204, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 204, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0532, 0.2888, 0.3843 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(135, 204, 165) }
```

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

```
.border{ border-color:rgb(135, 204, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 204, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 204, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 204, 165);  
box-shadow:4px 4px 4px 4px rgb(135, 204,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0532, 0.2888, 0.3843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 204, 165) }
```

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

```
.background{ background-color: rgb(135,  
204, 165) }
```

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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