

# Converting Colors

$Yxy(50.0777, 0.3092, 0.4414)$

Have a look what the booklet for  
Yxy(50.0777, 0.3092, 0.4414)  
contains.

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# Color

**Yxy(50.0465, 0.3095, 0.4415)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83CD80
RGB	131, 205, 128
RGB Percent	51%, 80%, 50%
CMY	0.4864, 0.1960, 0.4981
CMYK	0.36, 0.00, 0.38, 0.20
HSL	118°, 44%, 65%
HSV	118°, 38%, 80%
XYZ	35.0836, 50.0465, 28.2255
YIQ	174.0960, -19.3870, -39.6350

# Conversions

## Conversions Part 2

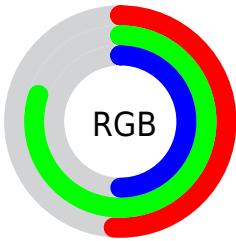
Format	Color
<b>RYB</b>	128, 205, 202
Decimal	8637824
CIELab	76.10, -38.31, 31.27
CIElCh	76, 49.446, 140.778
Yxy	50.0465, 0.3095, 0.4415
Android (android.graphics.Color)	4286827904 (0xFF83CD80)
YUV	174.0960, -22.7253, -37.7952
Hunter-Lab	70.7436, -35.2784, 25.8647

# Details

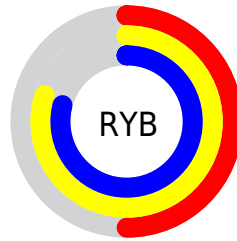
The Yxy color **50.0465, 0.3095, 0.4415** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.4004, 0.3140, 0.2361**, and the grayscale version is **42.5031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3365, 0.3112, 0.4120**, and **23.9405, 0.3050, 0.4759** is the 20% darker color. If you saturate the color by 10%, you get **48.1361, 0.3081, 0.4769**, and if you desaturate by 10%, it is **52.3694, 0.3106, 0.4075**.

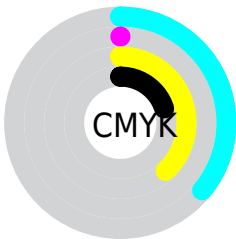
# Distribution



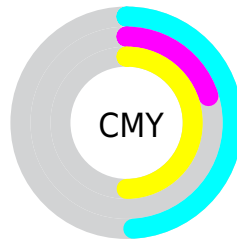
- Red (51%)
- Green (80%)
- Blue (50%)



- Red (50%)
- Yellow (80%)
- Blue (79%)



- Cyan (36%)
- Magenta (0%)
- Yellow (38%)
- Black (20%)




- Cyan (49%)
- Magenta (20%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0465, 0.3095, 0.4415 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 50.0465, 0.3095, 0.4415 by changing the saturation by 10% instead.





 50.0465, 0.3095,  
0.4415


 50.0465, 0.3095,  
0.4415


386.8478, 0.3131,  
0.3827

 35.4503, 0.3079,  
0.4568


 90.2438, 0.3113,  
0.4196

 24.0100, 0.3054,  
0.4768


 116.6137, 0.3118,  
0.4115

 15.3410, 0.3014,  
0.5039


 147.6770, 0.3122,  
0.4048

 9.0591, 0.2941,  
0.5423

183.8180, 0.3125,  
0.3990

 4.7797, 0.2799,  
0.5997

225.4212, 0.3127,  
0.3941

 2.1186, 0.2637,  
0.7363

272.8710, 0.3128,

 0.6751, 0.0000,

0.3898

1.0000

326.5517, 0.3130,  
0.3861

0.0000, 0.0000,  
0.0000

50.0465, 0.3095,  
0.4415

50.0465, 0.3095,  
0.4415

48.1361, 0.3081,  
0.4769

52.3694, 0.3106,  
0.4075

46.6081, 0.3066,  
0.5118

55.1201, 0.3116,  
0.3762

45.4388, 0.3050,  
0.5436


58.3209, 0.3123,  
0.3480

44.5987, 0.3034,  
0.5697

61.9908, 0.3128,  
0.3233

44.0540, 0.3019,  
0.5879

66.1475, 0.3133,  
0.3018

 43.7619, 0.3008,  
0.5977

 70.8080, 0.3136,  
0.2833

 43.7188, 0.3007,  
0.5994

 72.1473, 0.3150,  
0.2802

# Harmonies

## Analogous

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



50.0465, 0.3742, 0.4509



50.0465, 0.3095, 0.4415



50.0465, 0.2490, 0.3883

# Triad

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



50.0465, 0.3095, 0.4415



50.0465, 0.2067, 0.2311



50.0465, 0.4282, 0.3237

# Complementary

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



50.0465, 0.3095, 0.4415



32.4004, 0.3140, 0.2361

# 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.



50.0465, 0.3732, 0.2773



50.0465, 0.3095, 0.4415



50.0465, 0.2445, 0.2260

# Square

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



50.0465, 0.3095, 0.4415



50.0465, 0.1943, 0.2614



50.0465, 0.3041, 0.2427



50.0465, 0.4471, 0.3747

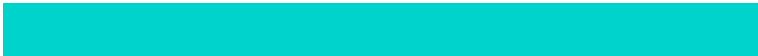


# Rectangle

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



50.0465, 0.3095, 0.4415



50.0465, 0.2191, 0.3410



50.0465, 0.3041, 0.2427



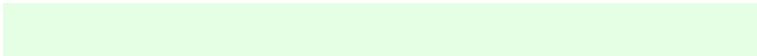
50.0465, 0.4131, 0.3074

# Sweetspot

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



50.0486, 0.3095, 0.4415



93.5638, 0.3120, 0.3577



56.3857, 0.3702, 0.4175



19.8708, 0.3119, 0.3615



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.



50.0486, 0.3095, 0.4415



79.4142, 0.3084, 0.4698



50.8866, 0.2858, 0.3898



12.5574, 0.3122, 0.3529



27.2232, 0.3009, 0.5993



1.4119, 0.3042, 0.5967



# Inverse Universe

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



32.4004, 0.3140, 0.2361



46.4733, 0.3141, 0.2176



31.3293, 0.3536, 0.2757



11.3807, 0.3132, 0.3061



10.1465, 0.3113, 0.1489



0.5305, 0.3133, 0.1500



# Previews

## White Background



This preview shows how the Yxy color 50.0465, 0.3095, 0.4415 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 50.0465, 0.3095, 0.4415 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

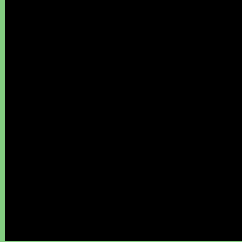
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.0465, 0.3095, 0.4415**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0465, 0.3095, 0.4415.



This preview shows how white text looks on a background with the Yxy color 50.0465, 0.3095, 0.4415.

# 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

50.0465, 0.3095, 0.4415

### Protanopia

49.6176, 0.3798, 0.4110

### Deuteranopia

49.4910, 0.3904, 0.3822



## Tritanopia

49.9364, 0.2669, 0.3078

# Trichromacy



## Original Color

50.0465, 0.3095, 0.4415



## Protanomaly

49.3859, 0.3513, 0.4225



## Deuteranomaly

48.4512, 0.3580, 0.4021



## Tritanomaly

49.8458, 0.2822, 0.3539

# Monochromacy



## Original Color

50.0465, 0.3095, 0.4415



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

44.4013, 0.3117, 0.3687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0465, 0.3095, 0.4415 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(131, 205, 128)` looks like.

```
.text, #text, p{  
    color:rgb(131, 205, 128)  
}
```

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(131, 205, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 205, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0465, 0.3095, 0.4415 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(131, 205, 128) }
```

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

```
.border{ border-color:rgb(131, 205, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 205, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 205, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 205, 128); box-shadow:4px 4px 4px 4px rgb(131, 205, 128) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0465, 0.3095, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 205, 128) }
```

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

```
.background{ background-color: rgb(131,  
205, 128) }
```

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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