

# Converting Colors

Yxy(50.6583, 0.3062, 0.4145)

Have a look what the booklet for  
Yxy(50.6583, 0.3062, 0.4145)  
contains.

<b>Yxy(50.7748, 0.3058, 0.4147)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(50.7748, 0.3058, 0.4147)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CCC90
RGB	140, 204, 144
RGB Percent	55%, 80%, 56%
CMY	0.4510, 0.2000, 0.4352
CMYK	0.31, 0.00, 0.29, 0.20
HSL	124°, 39%, 67%
HSV	124°, 31%, 80%
XYZ	37.4414, 50.7748, 34.2213
YIQ	178.0240, -18.8840, -32.2280

# Conversions

## Conversions Part 2

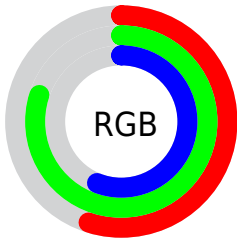
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 200, 204
Decimal	9227408
CIELab	76.54, -32.36, 23.58
CIElCh	77, 40.038, 143.926
Yxy	50.7748, 0.3058, 0.4147
Android (android.graphics.Color)	4287417488 (0xFF8CCC90)
YUV	178.0240, -16.7738, -33.3470
Hunter-Lab	71.2564, -30.9068, 21.4052

# Details

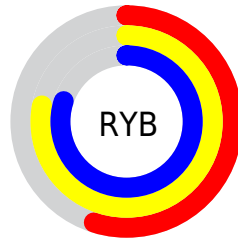
The Yxy color **50.7748, 0.3058, 0.4147** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.7584, 0.3201, 0.2561**, and the grayscale version is **44.6322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1993, 0.3079, 0.3922**, and **24.3114, 0.3020, 0.4409** is the 20% darker color. If you saturate the color by 10%, you get **48.6303, 0.3036, 0.4477**, and if you desaturate by 10%, it is **53.3511, 0.3081, 0.3841**.

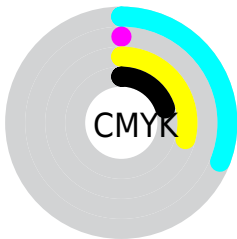
# Distribution



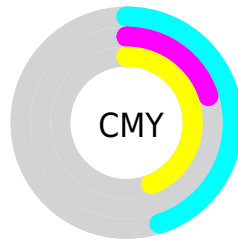
- Red (55%)
- Green (80%)
- Blue (56%)



- Red (55%)
- Yellow (78%)
- Blue (80%)



- Cyan (31%)
- Magenta (0%)
- Yellow (29%)
- Black (20%)



- Cyan (45%)
- Magenta (20%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7748, 0.3058, 0.4147 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 50.7748, 0.3058, 0.4147 by changing the saturation by 10% instead.





 50.7748, 0.3058,  
0.4147


 50.7748, 0.3058,  
0.4147


389.6882, 0.3104,  
0.3704


 36.0294, 0.3043,  
0.4262


 91.3218, 0.3077,  
0.3983

 24.4569, 0.3021,  
0.4412


 117.8922, 0.3084,  
0.3922

 15.6729, 0.2989,  
0.4615


 149.1731, 0.3089,  
0.3871

 9.2930, 0.2935,  
0.4904

185.5488, 0.3093,  
0.3828

 4.9328, 0.2837,  
0.5345

227.4038, 0.3096,  
0.3790

 2.2079, 0.2723,  
0.6292

275.1224, 0.3099,

 0.7243, 0.0000,

0.3758

1.0000

329.0891, 0.3102,  
0.3729

0.0000, 0.0000,  
0.0000

50.7748, 0.3058,  
0.4147

50.7748, 0.3058,  
0.4147

48.6303, 0.3036,  
0.4477

53.3511, 0.3081,  
0.3841

46.8879, 0.3016,  
0.4818

56.3741, 0.3103,  
0.3565

45.5244, 0.3000,  
0.5151

59.8661, 0.3124,  
0.3321

44.5117, 0.2989,  
0.5454

63.8456, 0.3144,  
0.3109

43.8174, 0.2985,  
0.5702

68.3305, 0.3162,  
0.2925

■ 43.4035, 0.2987,  
0.5876

■ 71.6685, 0.3151,  
0.2792

■ 43.2172, 0.2990,  
0.5964

# Harmonies

## Analogous

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



50.7748, 0.3590, 0.4278



50.7748, 0.3058, 0.4147



50.7748, 0.2570, 0.3707

# Triad

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



50.7748, 0.3058, 0.4147



50.7748, 0.2276, 0.2472



50.7748, 0.4087, 0.3305

# Complementary

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



50.7748, 0.3058, 0.4147



35.7584, 0.3201, 0.2561

# 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.



50.7748, 0.3673, 0.2905



50.7748, 0.3058, 0.4147



50.7748, 0.2617, 0.2442

# Square

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



50.7748, 0.3058, 0.4147



50.7748, 0.2148, 0.2713



50.7748, 0.3122, 0.2599



50.7748, 0.4212, 0.3730



# Rectangle

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



50.7748, 0.3058, 0.4147



50.7748, 0.2332, 0.3337



50.7748, 0.3122, 0.2599



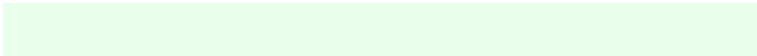
50.7748, 0.3976, 0.3165

# Sweetspot

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



50.7769, 0.3058, 0.4147



94.5959, 0.3108, 0.3507



57.4720, 0.3570, 0.4074



20.0736, 0.3105, 0.3545



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

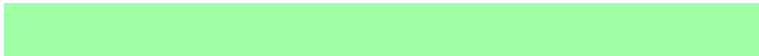


# Same Dimension

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



50.7769, 0.3058, 0.4147



81.4873, 0.3042, 0.4380



51.8655, 0.2857, 0.3689



12.5483, 0.3107, 0.3514



27.2046, 0.2987, 0.5955



1.4076, 0.2946, 0.5804



# Inverse Universe

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



35.7584, 0.3201, 0.2561



52.5804, 0.3221, 0.2400



34.4467, 0.3517, 0.2925



11.3911, 0.3147, 0.3076



10.4564, 0.3373, 0.1632



0.5432, 0.3338, 0.1612



# Previews

## White Background



This preview shows how the Yxy color 50.7748, 0.3058, 0.4147 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 50.7748, 0.3058, 0.4147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

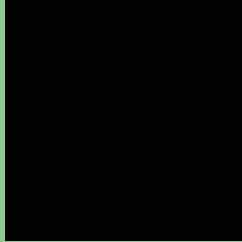
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.7748, 0.3058, 0.4147**

## Background



This preview shows how black text looks on a background with the Yxy color 50.7748, 0.3058, 0.4147.



This preview shows how white text looks on a background with the Yxy color 50.7748, 0.3058, 0.4147.

# 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

50.7748, 0.3058, 0.4147

### Protanopia

50.3291, 0.3658, 0.3929

### Deuteranopia

50.2777, 0.3738, 0.3673



## Tritanopia

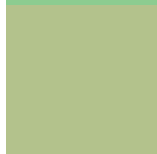
50.5057, 0.2709, 0.3081

# Trichromacy



## Original Color

50.7748, 0.3058, 0.4147



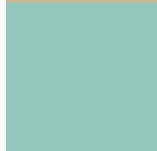
## Protanomaly

50.0607, 0.3412, 0.4008



## Deuteranomaly

49.4489, 0.3467, 0.3835



## Tritanomaly

50.2719, 0.2830, 0.3439

# Monochromacy



## Original Color

50.7748, 0.3058, 0.4147



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

46.1863, 0.3097, 0.3579

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.7748, 0.3058, 0.4147 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(140, 204, 144)` looks like.

```
.text, #text, p{  
    color:rgb(140, 204, 144)  
}
```

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(140, 204, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 204, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 50.7748, 0.3058, 0.4147 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(140, 204, 144) }
```

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

```
.border{ border-color:rgb(140, 204, 144) }
```

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

Here you see how a box with a 4 pixel rgb(140, 204, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 204, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 204, 144);  
box-shadow:4px 4px 4px 4px rgb(140, 204,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.7748, 0.3058, 0.4147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 204, 144) }
```

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

```
.background{ background-color: rgb(140,  
204, 144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor