

# Converting Colors

$Yxy(48.4853, 0.2912, 0.3850)$

Have a look what the booklet for  
Yxy(48.4853, 0.2912, 0.3850)  
contains.

<b>Yxy(48.4532, 0.2911, 0.3854)</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(48.4532, 0.2911, 0.3854)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	86C7A0
RGB	134, 199, 160
RGB Percent	53%, 78%, 63%
CMY	0.4745, 0.2196, 0.3726
CMYK	0.33, 0.00, 0.20, 0.22
HSL	144°, 37%, 65%
HSV	144°, 33%, 78%
XYZ	36.5976, 48.4532, 40.6710
YIQ	175.1190, -26.2210, -25.9090

# Conversions

## Conversions Part 2

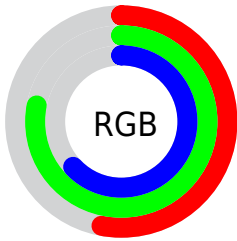
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 180, 199
Decimal	8832928
CIELab	75.11, -28.96, 13.05
CIELCh	75, 31.765, 155.743
Yxy	48.4532, 0.2911, 0.3854
Android (android.graphics.Color)	4287023008 (0xFF86C7A0)
YUV	175.1190, -7.4537, -36.0614
Hunter-Lab	69.6083, -27.9655, 14.0836

# Details

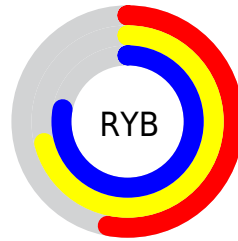
The Yxy color **48.4532, 0.2911, 0.3854** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.2096, 0.3430, 0.2789**, and the grayscale version is **42.9834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2451, 0.2952, 0.3732**, and **23.1273, 0.2850, 0.4041** is the 20% darker color. If you saturate the color by 10%, you get **46.5729, 0.2856, 0.4064**, and if you desaturate by 10%, it is **50.6854, 0.2973, 0.3661**.

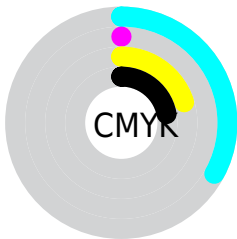
# Distribution



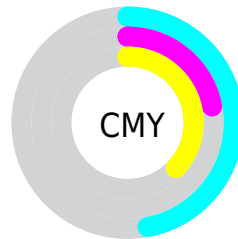
- Red (53%)
- Green (78%)
- Blue (63%)



- Red (53%)
- Yellow (71%)
- Blue (78%)



- Cyan (33%)
- Magenta (0%)
- Yellow (20%)
- Black (22%)




- Cyan (47%)
- Magenta (22%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4532, 0.2911, 0.3854 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 48.4532, 0.2911, 0.3854 by changing the saturation by 10% instead.




 48.4532, 0.2911,  
0.3854


 48.4532, 0.2911,  
0.3854

380.5857, 0.3024,  
0.3563

 34.1859, 0.2881,  
0.3929


 87.8788, 0.2953,  
0.3746

 23.0365, 0.2843,  
0.4028


 113.8059, 0.2968,  
0.3706

 14.6204, 0.2790,  
0.4162


 144.3884, 0.2981,  
0.3673

 8.5534, 0.2712,  
0.4356

180.0107, 0.2992,  
0.3644

 4.4511, 0.2591,  
0.4656

221.0572, 0.3002,  
0.3620

 1.9290, 0.2374,  
0.5183

267.9122, 0.3010,

 0.5657, 0.0000,

0.3599

1.0000

320.9603, 0.3017,  
0.3580

0.0000, 0.0000,  
0.0000

48.4532, 0.2911,  
0.3854

48.4532, 0.2911,  
0.3854

46.5729, 0.2856,  
0.4064

50.6854, 0.2973,  
0.3661

45.0199, 0.2811,  
0.4288

53.2805, 0.3040,  
0.3485

43.7763, 0.2780,  
0.4520

56.2565, 0.3109,  
0.3329


42.8193, 0.2765,  
0.4755


59.6281, 0.3177,  
0.3190

42.1234, 0.2769,  
0.4982

63.4095, 0.3245,  
0.3068

 41.6577, 0.2791,  
0.5194

 67.6143, 0.3310,  
0.2961

 41.4225, 0.2816,  
0.5336

 68.6177, 0.3234,  
0.2848

 69.3300, 0.3153,  
0.2742

# Harmonies

## Analogous

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



48.4532, 0.3344, 0.4069



48.4532, 0.2911, 0.3854



48.4532, 0.2552, 0.3454

# Triad

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



48.4532, 0.2911, 0.3854



48.4532, 0.2522, 0.2590



48.4532, 0.3970, 0.3452

# Complementary

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



48.4532, 0.2911, 0.3854



32.2096, 0.3430, 0.2789

# 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.



48.4532, 0.3720, 0.3103



48.4532, 0.2911, 0.3854



48.4532, 0.2866, 0.2625

# Square

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



48.4532, 0.2911, 0.3854



48.4532, 0.2342, 0.2726



48.4532, 0.3305, 0.2809



48.4532, 0.3972, 0.3789



# Rectangle

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



48.4532, 0.2911, 0.3854



48.4532, 0.2398, 0.3165



48.4532, 0.3305, 0.2809



48.4532, 0.3912, 0.3333

# Sweetspot

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



48.4552, 0.2911, 0.3854



94.5334, 0.3057, 0.3444



51.5796, 0.3402, 0.4157



20.0816, 0.3048, 0.3467



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

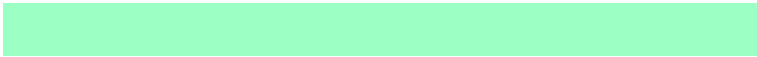


# Same Dimension

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



48.4552, 0.2911, 0.3854



82.4968, 0.2872, 0.3997



49.6981, 0.2711, 0.3394



11.9570, 0.3063, 0.3432



26.6498, 0.2809, 0.5311



1.2761, 0.2690, 0.4883



# Inverse Universe

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



32.2096, 0.3430, 0.2789



49.8054, 0.3518, 0.2681



31.1320, 0.3786, 0.3191



10.7421, 0.3198, 0.3152



8.6889, 0.4524, 0.2266



0.4254, 0.4179, 0.2076



# Previews

## White Background



This preview shows how the Yxy color 48.4532, 0.2911, 0.3854 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

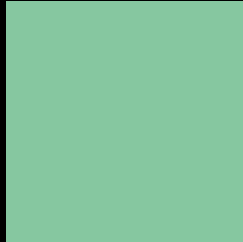
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4532, 0.2911, 0.3854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

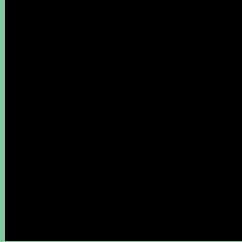
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.4532, 0.2911, 0.3854**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.4532, 0.2911, 0.3854.



This preview shows how white text looks on a background with the Yxy color 48.4532, 0.2911, 0.3854.

# 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

48.4532, 0.2911, 0.3854

### Protanopia

48.1501, 0.3484, 0.3702

### Deuteranopia

47.7162, 0.3517, 0.3439



## Tritanopia

48.1826, 0.2664, 0.3075

# Trichromacy



## Original Color

48.4532, 0.2911, 0.3854



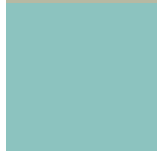
## Protanomaly

47.6460, 0.3255, 0.3751



## Deuteranomaly

47.2874, 0.3276, 0.3581



## Tritanomaly

48.3673, 0.2747, 0.3344

# Monochromacy



## Original Color

48.4532, 0.2911, 0.3854



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

44.6568, 0.3035, 0.3485

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4532, 0.2911, 0.3854 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(134, 199, 160)` looks like.

```
.text, #text, p{  
    color:rgb(134, 199, 160)  
}
```

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(134, 199, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 199, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4532, 0.2911, 0.3854 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(134, 199, 160) }
```

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

```
.border{ border-color:rgb(134, 199, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 199, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 199, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 199, 160); box-shadow:4px 4px 4px 4px rgb(134, 199, 160) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4532, 0.2911, 0.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 199, 160) }
```

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

```
.background{ background-color: rgb(134,  
199, 160) }
```

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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