

# Converting Colors

$Yxy(48.5159, 0.2930, 0.3725)$

Have a look what the booklet for  
Yxy(48.5159, 0.2930, 0.3725)  
contains.

<b>Yxy(48.5253, 0.2934, 0.3729)</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(48.5253, 0.2934, 0.3729)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FC5A6
RGB	143, 197, 166
RGB Percent	56%, 77%, 65%
CMY	0.4391, 0.2275, 0.3491
CMYK	0.27, 0.00, 0.16, 0.23
HSL	146°, 32%, 67%
HSV	146°, 27%, 77%
XYZ	38.1800, 48.5253, 43.4242
YIQ	177.3200, -22.2330, -21.0890

# Conversions

## Conversions Part 2

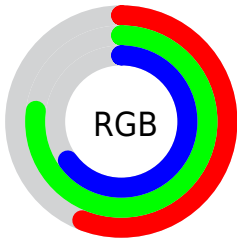
Format	Color
<a href="#">RYB</a>	<a href="#">143, 181, 197</a>
Decimal	<a href="#">9422246</a>
CIELab	<a href="#">75.16, -23.99, 9.95</a>
CIElCh	<a href="#">75, 25.968, 157.474</a>
Yxy	<a href="#">48.5253, 0.2934, 0.3729</a>
Android (android.graphics.Color)	<a href="#">4287612326 (0xFF8FC5A6)</a>
YUV	<a href="#">177.3200, -5.5808, -30.0986</a>
Hunter-Lab	<a href="#">69.6601, -24.0711, 11.8023</a>

# Details

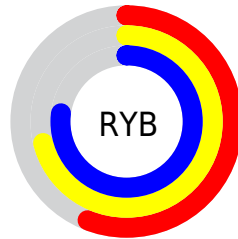
The Yxy color **48.5253, 0.2934, 0.3729** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.5828, 0.3384, 0.2889**, and the grayscale version is **44.1859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1098, 0.2972, 0.3648**, and **23.0840, 0.2875, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **46.5230, 0.2872, 0.3921**, and if you desaturate by 10%, it is **50.8770, 0.3002, 0.3554**.

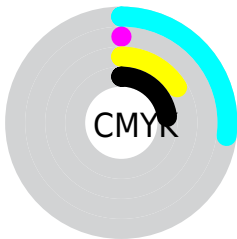
# Distribution



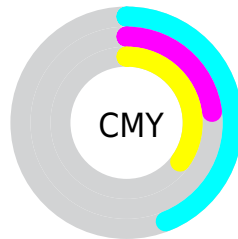
- Red (56%)
- Green (77%)
- Blue (65%)



- Red (56%)
- Yellow (71%)
- Blue (77%)



- Cyan (27%)
- Magenta (0%)
- Yellow (16%)
- Black (23%)




- Cyan (44%)
- Magenta (23%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5253, 0.2934, 0.3729 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 48.5253, 0.2934, 0.3729 by changing the saturation by 10% instead.





 48.5253, 0.2934,  
0.3729


 48.5253, 0.2934,  
0.3729


380.8705, 0.3033,  
0.3504

 34.2431, 0.2908,  
0.3787


 87.9860, 0.2971,  
0.3646

 23.0804, 0.2875,  
0.3862


 113.9333, 0.2984,  
0.3615

 14.6529, 0.2830,  
0.3964


144.5377, 0.2996,  
0.3590

 8.5761, 0.2765,  
0.4110

180.1836, 0.3005,  
0.3567

 4.4658, 0.2665,  
0.4335

221.2555, 0.3014,  
0.3548

 1.9374, 0.2490,  
0.4727

268.1376, 0.3021,

 0.5707, 0.0000,

0.3532

1.0000

321.2145, 0.3027,  
0.3517

0.0000, 0.0000,  
0.0000

48.5253, 0.2934,  
0.3729

48.5253, 0.2934,  
0.3729

46.5230, 0.2872,  
0.3921

50.8770, 0.3002,  
0.3554

44.8469, 0.2818,  
0.4128

53.5879, 0.3074,  
0.3396

43.4804, 0.2777,  
0.4347

56.6748, 0.3146,  
0.3255

42.4031, 0.2752,  
0.4571

60.1518, 0.3218,  
0.3131

41.5918, 0.2744,  
0.4794

64.0322, 0.3288,  
0.3021

■ 41.0196, 0.2756,  
0.5009

■ 67.1272, 0.3308,  
0.2920

■ 40.6491, 0.2785,  
0.5208

■ 67.7985, 0.3224,  
0.2812

■ 40.5689, 0.2794,  
0.5257

■ 68.4119, 0.3154,  
0.2722

# Harmonies

## Analogous

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



48.5253, 0.3290, 0.3915



48.5253, 0.2934, 0.3729



48.5253, 0.2642, 0.3406

# Triad

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



48.5253, 0.2934, 0.3729



48.5253, 0.2642, 0.2709



48.5253, 0.3820, 0.3448

# Complementary

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



48.5253, 0.2934, 0.3729



34.5828, 0.3384, 0.2889

# 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.



48.5253, 0.3627, 0.3155



48.5253, 0.2934, 0.3729



48.5253, 0.2935, 0.2743

# Square

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



48.5253, 0.2934, 0.3729



48.5253, 0.2481, 0.2819



48.5253, 0.3296, 0.2903



48.5253, 0.3813, 0.3722



# Rectangle

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



48.5253, 0.2934, 0.3729



48.5253, 0.2517, 0.3174



48.5253, 0.3296, 0.2903



48.5253, 0.3777, 0.3349

# Sweetspot

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



48.5273, 0.2934, 0.3729



95.6020, 0.3068, 0.3407



50.9739, 0.3344, 0.4011



20.2964, 0.3057, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

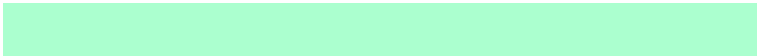


# Same Dimension

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



48.5273, 0.2934, 0.3729



84.6487, 0.2895, 0.3845



49.6026, 0.2760, 0.3350



11.9615, 0.3059, 0.3426



26.7004, 0.2787, 0.5233



1.2787, 0.2670, 0.4814



# Inverse Universe

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



34.5828, 0.3384, 0.2889



55.4545, 0.3459, 0.2797



33.6483, 0.3665, 0.3232



10.7374, 0.3201, 0.3158



8.6119, 0.4629, 0.2324

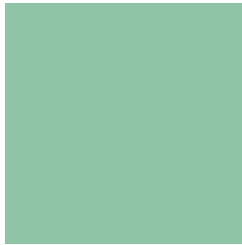


0.4221, 0.4255, 0.2118



# Previews

## White Background



This preview shows how the Yxy color 48.5253, 0.2934, 0.3729 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 48.5253, 0.2934, 0.3729 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

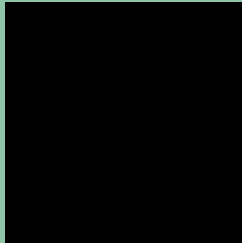
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.5253, 0.2934, 0.3729**

## Background



This preview shows how black text looks on a background with the Yxy color 48.5253, 0.2934, 0.3729.



This preview shows how white text looks on a background with the Yxy color 48.5253, 0.2934, 0.3729.

# 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

48.5253, 0.2934, 0.3729

### Protanopia

48.1216, 0.3407, 0.3612

### Deuteranopia

48.1530, 0.3462, 0.3389



## Tritanopia

48.3459, 0.2715, 0.3077

# Trichromacy



## Original Color

48.5253, 0.2934, 0.3729

## Protanomaly

48.1178, 0.3218, 0.3652

## Deuteranomaly

47.7528, 0.3245, 0.3500

## Tritanomaly

48.2416, 0.2793, 0.3303

# Monochromacy



## Original Color

48.5253, 0.2934, 0.3729

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

45.2974, 0.3053, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5253, 0.2934, 0.3729 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(143, 197, 166)` looks like.

```
.text, #text, p{  
    color:rgb(143, 197, 166)  
}
```

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(143, 197, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 197, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5253, 0.2934, 0.3729 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(143, 197, 166) }
```

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

```
.border{ border-color:rgb(143, 197, 166) }
```

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

Here you see how a box with a 4 pixel rgb(143, 197, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 197, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 197, 166);  
box-shadow:4px 4px 4px 4px rgb(143, 197,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5253, 0.2934, 0.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 197, 166) }
```

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

```
.background{ background-color: rgb(143,  
197, 166) }
```

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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