

# Converting Colors

$Y_{xy}(47.8699, 0.2935, 0.3397)$

Have a look what the booklet for  
Yxy(47.8699, 0.2935, 0.3397)  
contains.

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# Color

**Yxy(48.0514, 0.2933, 0.3398)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9FBFB7
RGB	159, 191, 183
RGB Percent	62%, 75%, 72%
CMY	0.3765, 0.2510, 0.2824
CMYK	0.17, 0.00, 0.04, 0.25
HSL	165°, 20%, 69%
HSV	165°, 17%, 75%
XYZ	41.4758, 48.0514, 51.8836
YIQ	180.5200, -16.5040, -9.2720

# Conversions

## Conversions Part 2

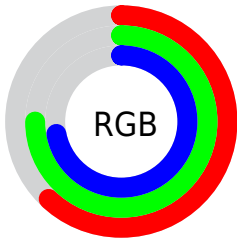
Format	Color
<a href="#">RYB</a>	<a href="#">159, 177, 191</a>
Decimal	<a href="#">10469303</a>
CIELab	<a href="#">74.86, -12.38, 0.44</a>
CIElCh	<a href="#">75, 12.387, 177.980</a>
Yxy	<a href="#">48.0514, 0.2933, 0.3398</a>
Android (android.graphics.Color)	<a href="#">4288659383 (0xFF9FBFB7)</a>
YUV	<a href="#">180.5200, 1.2226, -18.8730</a>
Hunter-Lab	<a href="#">69.3191, -14.5063, 4.1463</a>

# Details

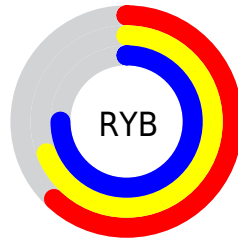
The Yxy color **48.0514, 0.2933, 0.3398** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.6654, 0.3366, 0.3185**, and the grayscale version is **45.9369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0497, 0.2967, 0.3373**, and **22.9145, 0.2879, 0.3439** is the 20% darker color. If you saturate the color by 10%, you get **46.0534, 0.2825, 0.3471**, and if you desaturate by 10%, it is **50.3620, 0.3047, 0.3331**.

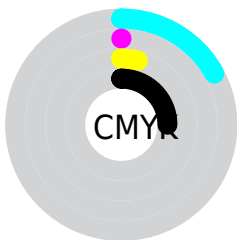
# Distribution



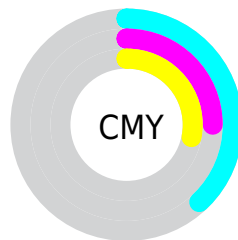
- Red (62%)
- Green (75%)
- Blue (72%)



- Red (62%)
- Yellow (69%)
- Blue (75%)



- Cyan (17%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)




- Cyan (38%)
- Magenta (25%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0514, 0.2933, 0.3398 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 48.0514, 0.2933, 0.3398 by changing the saturation by 10% instead.





 48.0514, 0.2933,  
0.3398


 48.0514, 0.2933,  
0.3398

378.9958, 0.3030,  
0.3344

 33.8676, 0.2909,  
0.3411


 87.2809, 0.2968,  
0.3379

 22.7919, 0.2878,  
0.3429


 113.0954, 0.2981,  
0.3371

 14.4399, 0.2838,  
0.3451


143.5556, 0.2992,  
0.3365

 8.4273, 0.2781,  
0.3483

179.0459, 0.3002,  
0.3360

 4.3695, 0.2697,  
0.3530

219.9507, 0.3010,  
0.3355

 1.8824, 0.2558,  
0.3608

266.6543, 0.3017,

 0.5377, 0.1605,

0.3351

0.4131

319.5413, 0.3024,  
0.3347

0.0000, 0.0000,  
0.0000

48.0514, 0.2933,  
0.3398

48.0514, 0.2933,  
0.3398

46.0534, 0.2825,  
0.3471

50.3620, 0.3047,  
0.3331

44.3479, 0.2727,  
0.3550

52.9920, 0.3166,  
0.3271

42.9222, 0.2642,  
0.3633

55.9558, 0.3286,  
0.3217

41.7598, 0.2571,  
0.3722

59.2649, 0.3407,  
0.3169

40.8428, 0.2519,  
0.3813

62.9303, 0.3525,  
0.3127

■ 40.1509, 0.2485,  
0.3906

■ 63.2610, 0.3490,  
0.3079

■ 39.6604, 0.2471,  
0.3999

■ 63.5055, 0.3451,  
0.3030

■ 39.3396, 0.2475,  
0.4091

■ 63.7572, 0.3413,  
0.2983

■ 39.2521, 0.2478,  
0.4121

■ 64.0162, 0.3375,  
0.2936

# Harmonies

## Analogous

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



48.0514, 0.3092, 0.3529



48.0514, 0.2933, 0.3398



48.0514, 0.2828, 0.3239

# Triad

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



48.0514, 0.2933, 0.3398



48.0514, 0.2986, 0.3006



48.0514, 0.3465, 0.3468

# Complementary

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



48.0514, 0.2933, 0.3398



38.6654, 0.3366, 0.3185

# 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.



48.0514, 0.3436, 0.3328



48.0514, 0.2933, 0.3398



48.0514, 0.3156, 0.3067

# Square

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



48.0514, 0.2933, 0.3398



48.0514, 0.2857, 0.3016



48.0514, 0.3322, 0.3183



48.0514, 0.3401, 0.3566



# Rectangle

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



48.0514, 0.2933, 0.3398



48.0514, 0.2800, 0.3141



48.0514, 0.3322, 0.3183



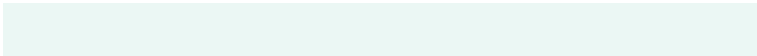
48.0514, 0.3466, 0.3425

# Sweetspot

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



48.0534, 0.2933, 0.3398



90.9421, 0.3067, 0.3321



48.0410, 0.3176, 0.3727



19.8998, 0.3059, 0.3325



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

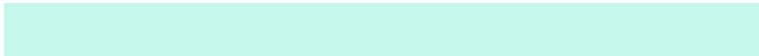


# Same Dimension

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



48.0534, 0.2933, 0.3398



84.7213, 0.2894, 0.3423



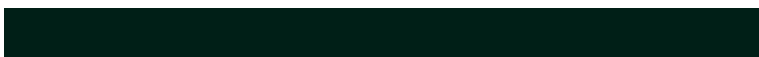
45.2224, 0.2873, 0.3188



10.7676, 0.3017, 0.3348



25.8082, 0.2475, 0.4109



1.0208, 0.2413, 0.3888



# Inverse Universe

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



38.6654, 0.3366, 0.3185



64.8376, 0.3428, 0.3161



41.0244, 0.3426, 0.3390



9.5745, 0.3250, 0.3233



7.4296, 0.5901, 0.3024



0.3019, 0.5202, 0.2639



# Previews

## White Background



This preview shows how the Yxy color 48.0514, 0.2933, 0.3398 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

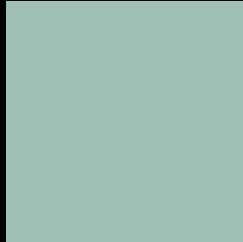
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.0514, 0.2933, 0.3398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

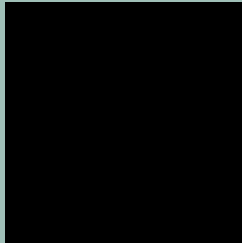
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

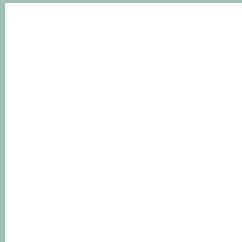
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.0514, 0.2933, 0.3398**

## Background



This preview shows how black text looks on a background with the Yxy color 48.0514, 0.2933, 0.3398.



This preview shows how white text looks on a background with the Yxy color 48.0514, 0.2933, 0.3398.

# 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

48.0514, 0.2933, 0.3398

### Protanopia

47.7727, 0.3210, 0.3355

### Deuteranopia

47.8035, 0.3263, 0.3192



## Tritanopia

48.0648, 0.2823, 0.3093

# Trichromacy



## Original Color

48.0514, 0.2933, 0.3398

## Protanomaly

47.7602, 0.3099, 0.3369

## Deuteranomaly

47.8089, 0.3137, 0.3264

## Tritanomaly

48.0621, 0.2864, 0.3197

# Monochromacy



## Original Color

48.0514, 0.2933, 0.3398

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.9596, 0.3051, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.0514, 0.2933, 0.3398 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(159, 191, 183)` looks like.

```
.text, #text, p{  
    color:rgb(159, 191, 183)  
}
```

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(159, 191, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 191, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 48.0514, 0.2933, 0.3398 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(159, 191, 183) }
```

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

```
.border{ border-color:rgb(159, 191, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 191, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 191, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 191, 183);  
box-shadow:4px 4px 4px 4px rgb(159, 191,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.0514, 0.2933, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 191, 183) }
```

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

```
.background{ background-color: rgb(159,  
191, 183) }
```

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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