

# Converting Colors

$Yxy(59.3009, 0.2893, 0.3993)$

Have a look what the booklet for  
Yxy(59.3009, 0.2893, 0.3993)  
contains.

<b>Yxy(59.3319, 0.2893, 0.3994)</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(59.3319, 0.2893, 0.3994)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89DCA8
RGB	137, 220, 168
RGB Percent	54%, 86%, 66%
CMY	0.4628, 0.1372, 0.3411
CMYK	0.38, 0.00, 0.24, 0.14
HSL	142°, 54%, 70%
HSV	142°, 38%, 86%
XYZ	42.9763, 59.3319, 46.2444
YIQ	189.2550, -32.7760, -33.7680

# Conversions

## Conversions Part 2

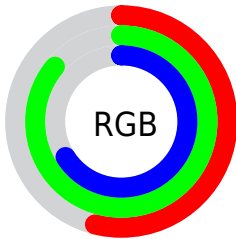
Format	Color
<a href="#">RYB</a>	<a href="#">137, 197, 220</a>
Decimal	<a href="#">9034920</a>
CIELab	<a href="#">81.47, -36.38, 17.72</a>
CIELCh	<a href="#">81, 40.466, 154.027</a>
Yxy	<a href="#">59.3319, 0.2893, 0.3994</a>
Android (android.graphics.Color)	<a href="#">4287225000 (0xFF89DCA8)</a>
YUV	<a href="#">189.2550, -10.4787, -45.8276</a>
Hunter-Lab	<a href="#">77.0272, -35.2060, 18.3234</a>

# Details

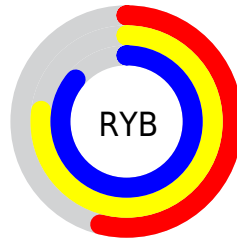
The Yxy color **59.3319, 0.2893, 0.3994** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **36.7735, 0.3474, 0.2682**, and the grayscale version is **51.1168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1852, 0.2933, 0.3639**, and **29.6509, 0.2823, 0.4186** is the 20% darker color. If you saturate the color by 10%, you get **57.1746, 0.2845, 0.4223**, and if you desaturate by 10%, it is **61.9276, 0.2950, 0.3781**.

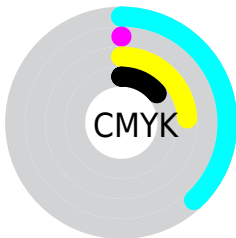
# Distribution



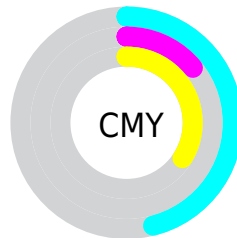
- Red (54%)
- Green (86%)
- Blue (66%)



- Red (54%)
- Yellow (77%)
- Blue (86%)



- Cyan (38%)
- Magenta (0%)
- Yellow (24%)
- Black (14%)




- Cyan (46%)
- Magenta (14%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3319, 0.2893, 0.3994 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 59.3319, 0.2893, 0.3994 by changing the saturation by 10% instead.





 59.3319, 0.2893,  
0.3994


 59.3319, 0.2893,  
0.3994


422.1308, 0.3013,  
0.3640

 42.8804, 0.2862,  
0.4083


 103.8599, 0.2937,  
0.3865

 29.7913, 0.2822,  
0.4197


 132.7051, 0.2954,  
0.3817

 19.6802, 0.2768,  
0.4348


 166.4504, 0.2968,  
0.3776

 12.1628, 0.2691,  
0.4560

205.4801, 0.2979,  
0.3741

 6.8546, 0.2575,  
0.4873

250.1785, 0.2990,  
0.3711

 3.3714, 0.2379,  
0.5382

300.9302, 0.2999,

 1.3285, 0.1782,

0.3684

0.7415

358.1195, 0.3006,  
0.3661

■ 0.1631, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.3319, 0.2893,  
0.3994

■ 59.3319, 0.2893,  
0.3994

■ 57.1746, 0.2845,  
0.4223

■ 61.9276, 0.2950,  
0.3781

■ 55.4233, 0.2809,  
0.4464

■ 64.9770, 0.3012,  
0.3586

■ 54.0531, 0.2788,  
0.4709


■ 68.5040, 0.3076,  
0.3412


■ 53.0329, 0.2785,  
0.4950


■ 72.5282, 0.3142,  
0.3257

 52.3264, 0.2800,  
0.5177

 77.0685, 0.3207,  
0.3120

 51.8840, 0.2832,  
0.5380

 79.3939, 0.3172,  
0.2991

 51.8032, 0.2840,  
0.5422

 79.6699, 0.3143,  
0.2950

# Harmonies

## Analogous

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



59.3319, 0.3406, 0.4231



59.3319, 0.2893, 0.3994



59.3319, 0.2466, 0.3512

# Triad

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



59.3319, 0.2893, 0.3994



59.3319, 0.2397, 0.2471



59.3319, 0.4124, 0.3446

# Complementary

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



59.3319, 0.2893, 0.3994



36.7735, 0.3474, 0.2682

# 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.



59.3319, 0.3809, 0.3043



59.3319, 0.2893, 0.3994



59.3319, 0.2787, 0.2505

# Square

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



59.3319, 0.2893, 0.3994



59.3319, 0.2201, 0.2635



59.3319, 0.3304, 0.2710



59.3319, 0.4139, 0.3847



# Rectangle

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



59.3319, 0.2893, 0.3994



59.3319, 0.2280, 0.3162



59.3319, 0.3304, 0.2710



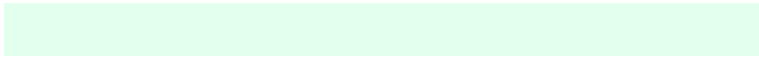
59.3319, 0.4049, 0.3308

# Sweetspot

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



59.3344, 0.2893, 0.3994



93.9829, 0.3054, 0.3468



63.8862, 0.3452, 0.4305



19.9701, 0.3046, 0.3492



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

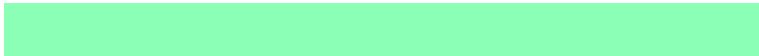


# Same Dimension

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



59.3344, 0.2893, 0.3994



80.5428, 0.2855, 0.4168



61.1065, 0.2662, 0.3431



14.6864, 0.3065, 0.3440



30.4206, 0.2832, 0.5394



1.9872, 0.2739, 0.5061



# Inverse Universe

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



36.7735, 0.3474, 0.2682



44.8473, 0.3572, 0.2561



35.2409, 0.3926, 0.3158



13.1880, 0.3195, 0.3145



10.0245, 0.4428, 0.2213



0.6659, 0.4177, 0.2075



# Previews

## White Background



This preview shows how the Yxy color 59.3319, 0.2893, 0.3994 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 59.3319, 0.2893, 0.3994 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

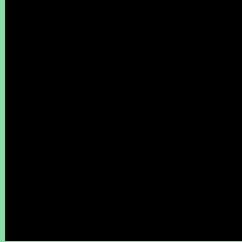
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.3319, 0.2893, 0.3994**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.3319, 0.2893, 0.3994.



This preview shows how white text looks on a background with the Yxy color 59.3319, 0.2893, 0.3994.

# 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

59.3319, 0.2893, 0.3994

### Protanopia

58.5726, 0.3548, 0.3787

### Deuteranopia

58.6285, 0.3592, 0.3517



## Tritanopia

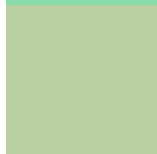
59.2281, 0.2612, 0.3078

# Trichromacy



## Original Color

59.3319, 0.2893, 0.3994



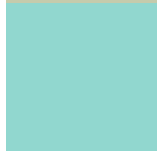
## Protanomaly

58.1595, 0.3282, 0.3870



## Deuteranomaly

57.5607, 0.3305, 0.3671



## Tritanomaly

59.1256, 0.2710, 0.3392

# Monochromacy



## Original Color

59.3319, 0.2893, 0.3994



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

53.1908, 0.3031, 0.3538

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.3319, 0.2893, 0.3994 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(137, 220, 168)` looks like.

```
.text, #text, p{  
    color:rgb(137, 220, 168)  
}
```

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(137, 220, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 220, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 59.3319, 0.2893, 0.3994 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(137, 220, 168) }
```

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

```
.border{ border-color:rgb(137, 220, 168) }
```

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

Here you see how a box with a 4 pixel rgb(137, 220, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 220, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 220, 168);  
box-shadow:4px 4px 4px 4px rgb(137, 220,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.3319, 0.2893, 0.3994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 220, 168) }
```

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

```
.background{ background-color: rgb(137,  
220, 168) }
```

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