

# Converting Colors

$Yxy(60.0372, 0.2949, 0.4347)$

Have a look what the booklet for  
Yxy(60.0372, 0.2949, 0.4347)  
contains.

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# Color

**Yxy(59.9615, 0.2950, 0.4340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FE094
RGB	127, 224, 148
RGB Percent	50%, 88%, 58%
CMY	0.5018, 0.1216, 0.4196
CMYK	0.43, 0.00, 0.34, 0.12
HSL	133°, 61%, 69%
HSV	133°, 43%, 88%
XYZ	40.7572, 59.9615, 37.4414
YIQ	186.3330, -33.4160, -44.2000

# Conversions

## Conversions Part 2

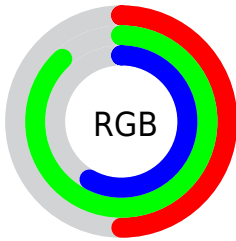
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 207, 224
Decimal	8380564
CIELab	81.82, -44.58, 28.53
CIElCh	82, 52.931, 147.381
Yxy	59.9615, 0.2950, 0.4340
Android (android.graphics.Color)	4286570644 (0xFF7FE094)
YUV	186.3330, -18.8982, -52.0350
Hunter-Lab	77.4348, -41.5588, 25.5364

# Details

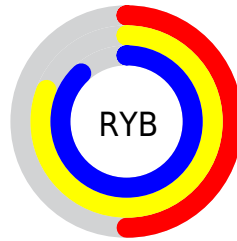
The Yxy color **59.9615, 0.2950, 0.4340** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.3494, 0.3382, 0.2434**, and the grayscale version is **49.4273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0221, 0.2988, 0.3876**, and **30.1704, 0.2875, 0.4641** is the 20% darker color. If you saturate the color by 10%, you get **57.9159, 0.2921, 0.4635**, and if you desaturate by 10%, it is **62.4787, 0.2986, 0.4058**.

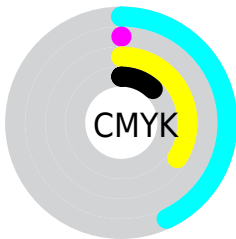
# Distribution



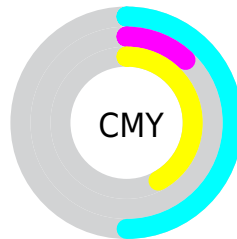
- Red (50%)
- Green (88%)
- Blue (58%)



- Red (50%)
- Yellow (81%)
- Blue (88%)



- Cyan (43%)
- Magenta (0%)
- Yellow (34%)
- Black (12%)




- Cyan (50%)
- Magenta (12%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9615, 0.2950, 0.4340 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 59.9615, 0.2950, 0.4340 by changing the saturation by 10% instead.





 59.9615, 0.2950,  
0.4340


 59.9615, 0.2950,  
0.4340


424.4558, 0.3052,  
0.3806


 43.3876, 0.2921,  
0.4475


 104.7738, 0.2990,  
0.4144

 30.1894, 0.2881,  
0.4649


 133.7810, 0.3004,  
0.4071

 19.9824, 0.2824,  
0.4881


 167.7015, 0.3016,  
0.4010

 12.3822, 0.2738,  
0.5203

206.9195, 0.3026,  
0.3957

 7.0045, 0.2597,  
0.5676

251.8196, 0.3034,  
0.3912

 3.4649, 0.2355,  
0.6461

302.7861, 0.3041,

 1.3790, 0.1011,

0.3872

0.8989

360.2034, 0.3047,  
0.3837

■ 0.2012, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.9615, 0.2950,  
0.4340

■ 59.9615, 0.2950,  
0.4340

■ 57.9159, 0.2921,  
0.4635

■ 62.4787, 0.2986,  
0.4058

■ 56.3051, 0.2902,  
0.4933


■ 65.4869, 0.3027,  
0.3798


■ 55.0988, 0.2896,  
0.5217


■ 69.0134, 0.3070,  
0.3562

■ 54.2592, 0.2904,  
0.5471

■ 73.0812, 0.3113,  
0.3353

 53.7413, 0.2924,  
0.5679

 77.7120, 0.3156,  
0.3169

 53.5279, 0.2941,  
0.5789

 81.6847, 0.3152,  
0.3005

 81.7909, 0.3141,  
0.2989

# Harmonies

## Analogous

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



59.9615, 0.3608, 0.4538



59.9615, 0.2950, 0.4340



59.9615, 0.2374, 0.3733

# Triad

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



59.9615, 0.2950, 0.4340



59.9615, 0.2122, 0.2272



59.9615, 0.4369, 0.3348

# Complementary

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



59.9615, 0.2950, 0.4340



35.3494, 0.3382, 0.2434

# 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.



59.9615, 0.3881, 0.2864



59.9615, 0.2950, 0.4340



59.9615, 0.2556, 0.2272

# Square

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



59.9615, 0.2950, 0.4340



59.9615, 0.1940, 0.2518



59.9615, 0.3192, 0.2484



59.9615, 0.4466, 0.3861



# Rectangle

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



59.9615, 0.2950, 0.4340



59.9615, 0.2109, 0.3254



59.9615, 0.3192, 0.2484



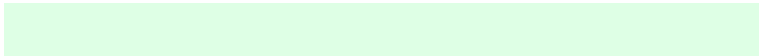
59.9615, 0.4244, 0.3180

# Sweetspot

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



59.9640, 0.2950, 0.4340



92.6840, 0.3071, 0.3558



67.7676, 0.3618, 0.4413



19.5992, 0.3061, 0.3608



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.



59.9640, 0.2950, 0.4340



77.9233, 0.2923, 0.4608



61.7620, 0.2692, 0.3673



15.3855, 0.3086, 0.3479



31.1712, 0.2935, 0.5767



2.1739, 0.2855, 0.5479



# Inverse Universe

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



35.3494, 0.3382, 0.2434



40.7869, 0.3453, 0.2271



33.4403, 0.3910, 0.2949



13.8822, 0.3171, 0.3108



11.0567, 0.3842, 0.1890



0.7792, 0.3725, 0.1826



# Previews

## White Background



This preview shows how the Yxy color 59.9615, 0.2950, 0.4340 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 59.9615, 0.2950, 0.4340 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 59.9615, 0.2950, 0.4340**

## Background



This preview shows how black text looks on a background with the Yxy color 59.9615, 0.2950, 0.4340.



This preview shows how white text looks on a background with the Yxy color 59.9615, 0.2950, 0.4340.

# 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

59.9615, 0.2950, 0.4340

### Protanopia

59.1652, 0.3738, 0.4022

### Deuteranopia

59.1273, 0.3807, 0.3723



## Tritanopia

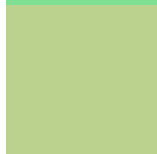
59.8824, 0.2578, 0.3078

# Trichromacy



## Original Color

59.9615, 0.2950, 0.4340



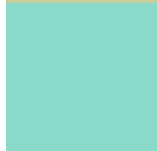
## Protanomaly

58.4853, 0.3417, 0.4148



## Deuteranomaly

57.9354, 0.3456, 0.3943



## Tritanomaly

59.7631, 0.2708, 0.3511

# Monochromacy



## Original Color

59.9615, 0.2950, 0.4340



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

52.2864, 0.3056, 0.3663

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9615, 0.2950, 0.4340 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(127, 224, 148)` looks like.

```
.text, #text, p{  
    color:rgb(127, 224, 148)  
}
```

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(127, 224, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 224, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9615, 0.2950, 0.4340 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(127, 224, 148) }
```

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

```
.border{ border-color:rgb(127, 224, 148) }
```

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

Here you see how a box with a 4 pixel rgb(127, 224, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 224, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 224, 148);  
box-shadow:4px 4px 4px 4px rgb(127, 224,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9615, 0.2950, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 224, 148) }
```

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

```
.background{ background-color: rgb(127,  
224, 148) }
```

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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