

# Converting Colors

Yxy(59.7147, 0.2956, 0.4195)

Have a look what the booklet for  
Yxy(59.7147, 0.2956, 0.4195)  
contains.

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# Color

**Yxy(59.7937, 0.2952, 0.4191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87DE9C
RGB	135, 222, 156
RGB Percent	53%, 87%, 61%
CMY	0.4704, 0.1294, 0.3883
CMYK	0.39, 0.00, 0.30, 0.13
HSL	134°, 57%, 70%
HSV	134°, 39%, 87%
XYZ	42.1167, 59.7937, 40.7613
YIQ	188.4630, -30.6660, -38.9700

# Conversions

## Conversions Part 2

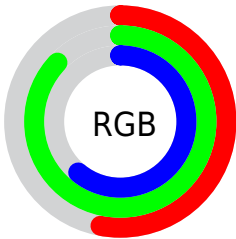
Format	Color
<a href="#">RYB</a>	<a href="#">135, 205, 222</a>
Decimal	<a href="#">8904348</a>
CIELab	<a href="#">81.73, -40.04, 24.35</a>
CIELCh	<a href="#">82, 46.865, 148.695</a>
Yxy	<a href="#">59.7937, 0.2952, 0.4191</a>
Android (android.graphics.Color)	<a href="#">4287094428 (0xFF87DE9C)</a>
YUV	<a href="#">188.4630, -16.0043, -46.8871</a>
Hunter-Lab	<a href="#">77.3264, -38.0992, 22.8747</a>

# Details

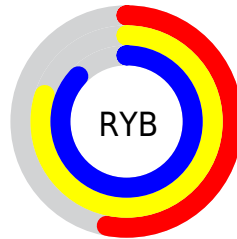
The Yxy color **59.7937, 0.2952, 0.4191** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **37.0897, 0.3373, 0.2535**, and the grayscale version is **50.6777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2995, 0.2985, 0.3777**, and **29.9774, 0.2890, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **57.6101, 0.2918, 0.4473**, and if you desaturate by 10%, it is **62.4454, 0.2993, 0.3926**.

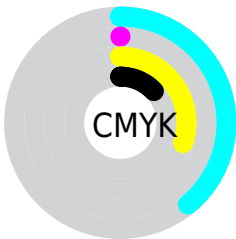
# Distribution



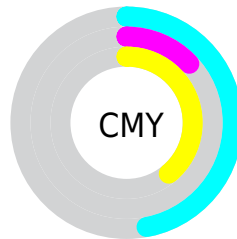
- Red (53%)
- Green (87%)
- Blue (61%)



- Red (53%)
- Yellow (80%)
- Blue (87%)



- Cyan (39%)
- Magenta (0%)
- Yellow (30%)
- Black (13%)



- Cyan (47%)
- Magenta (13%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7937, 0.2952, 0.4191 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 59.7937, 0.2952, 0.4191 by changing the saturation by 10% instead.




 59.7937, 0.2952,  
0.4191

 59.7937, 0.2952,  
0.4191


423.8369, 0.3049,  
0.3735

 43.2524, 0.2925,  
0.4306


 104.5303, 0.2989,  
0.4024

 30.0832, 0.2889,  
0.4454


 133.4945, 0.3002,  
0.3962

 19.9017, 0.2839,  
0.4650


 167.3683, 0.3014,  
0.3910

 12.3236, 0.2765,  
0.4924

206.5362, 0.3023,  
0.3865

 6.9645, 0.2646,  
0.5329

251.3826, 0.3031,  
0.3826

 3.4399, 0.2432,  
0.5976

302.2920, 0.3038,

 1.3655, 0.1581,

0.3792

0.8419

359.6486, 0.3043,  
0.3762

■ 0.1911, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.7937, 0.2952,  
0.4191

■ 59.7937, 0.2952,  
0.4191

■ 57.6101, 0.2918,  
0.4473

■ 62.4454, 0.2993,  
0.3926

■ 55.8600, 0.2893,  
0.4763


■ 65.5829, 0.3038,  
0.3684

■ 54.5155, 0.2881,  
0.5049


■ 69.2318, 0.3084,  
0.3467

■ 53.5425, 0.2883,  
0.5315


■ 73.4138, 0.3131,  
0.3275

 52.9009, 0.2899,  
0.5546

 78.1494, 0.3176,  
0.3106

 52.5285, 0.2927,  
0.5730

 80.7223, 0.3142,  
0.2970

 52.5034, 0.2929,  
0.5743

# Harmonies

## Analogous

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



59.7937, 0.3541, 0.4392



59.7937, 0.2952, 0.4191



59.7937, 0.2439, 0.3656

# Triad

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



59.7937, 0.2952, 0.4191



59.7937, 0.2237, 0.2372



59.7937, 0.4239, 0.3373

# Complementary

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



59.7937, 0.2952, 0.4191



37.0897, 0.3373, 0.2535

# 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.



59.7937, 0.3820, 0.2929



59.7937, 0.2952, 0.4191



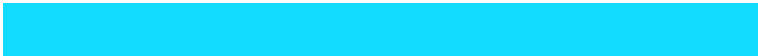
59.7937, 0.2641, 0.2377

# Square

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



59.7937, 0.2952, 0.4191



59.7937, 0.2060, 0.2591



59.7937, 0.3216, 0.2577



59.7937, 0.4315, 0.3835



# Rectangle

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



59.7937, 0.2952, 0.4191



59.7937, 0.2204, 0.3239



59.7937, 0.3216, 0.2577



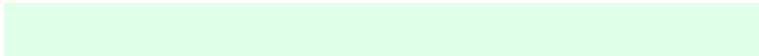
59.7937, 0.4132, 0.3219

# Sweetspot

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



59.7962, 0.2952, 0.4191



93.2442, 0.3071, 0.3528



66.5089, 0.3553, 0.4314



19.8145, 0.3065, 0.3556



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.



59.7962, 0.2952, 0.4191



79.3636, 0.2923, 0.4421



61.5115, 0.2710, 0.3592



15.3911, 0.3083, 0.3473



31.2008, 0.2922, 0.5720



2.1766, 0.2840, 0.5423



# Inverse Universe

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



37.0897, 0.3373, 0.2535



44.1292, 0.3441, 0.2385



35.3460, 0.3837, 0.3015



13.8763, 0.3174, 0.3114



10.9343, 0.3927, 0.1937

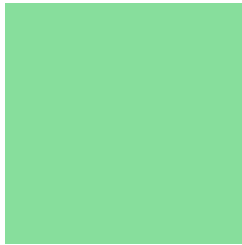


0.7716, 0.3793, 0.1863



# Previews

## White Background



This preview shows how the Yxy color 59.7937, 0.2952, 0.4191 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 59.7937, 0.2952, 0.4191 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

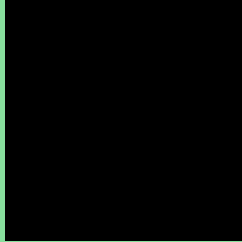
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.7937, 0.2952, 0.4191**

## Background



This preview shows how black text looks on a background with the Yxy color 59.7937, 0.2952, 0.4191.



This preview shows how white text looks on a background with the Yxy color 59.7937, 0.2952, 0.4191.

# 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

59.7937, 0.2952, 0.4191

### Protanopia

59.0994, 0.3662, 0.3934

### Deuteranopia

58.8544, 0.3724, 0.3649



## Tritanopia

59.8810, 0.2614, 0.3079

# Trichromacy



## Original Color

59.7937, 0.2952, 0.4191



## Protanomaly

58.3677, 0.3372, 0.4033



## Deuteranomaly

57.8659, 0.3408, 0.3830



## Tritanomaly

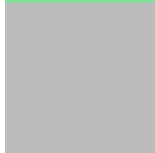
59.4433, 0.2734, 0.3457

# Monochromacy



## Original Color

59.7937, 0.2952, 0.4191



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

52.8782, 0.3059, 0.3606

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.7937, 0.2952, 0.4191 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(135, 222, 156)` looks like.

```
.text, #text, p{  
    color:rgb(135, 222, 156)  
}
```

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(135, 222, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 222, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 59.7937, 0.2952, 0.4191 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(135, 222, 156) }
```

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

```
.border{ border-color:rgb(135, 222, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 222, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 222, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 222, 156);  
box-shadow:4px 4px 4px 4px rgb(135, 222,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.7937, 0.2952, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 222, 156) }
```

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

```
.background{ background-color: rgb(135,  
222, 156) }
```

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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