

# Converting Colors

Yxy(59.3494, 0.3201, 0.5093)

Have a look what the booklet for  
Yxy(59.3494, 0.3201, 0.5093)  
contains.

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**Color**

**Yxy(59.3940, 0.3203, 0.5094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BE25D
RGB	123, 226, 93
RGB Percent	48%, 89%, 36%
CMY	0.5175, 0.1137, 0.6352
CMYK	0.46, 0.00, 0.59, 0.11
HSL	106°, 70%, 63%
HSV	106°, 59%, 89%
XYZ	37.3457, 59.3940, 19.8563
YIQ	180.0410, -18.6950, -63.1990

# Conversions

## Conversions Part 2

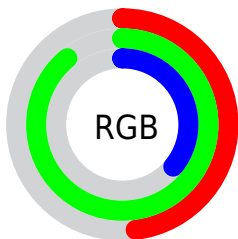
Format	Color
<a href="#">RYB</a>	<a href="#">93, 226, 196</a>
Decimal	<a href="#">8118877</a>
CIELab	<a href="#">81.51, -54.08, 54.70</a>
CIElCh	<a href="#">82, 76.917, 134.671</a>
Yxy	<a href="#">59.3940, 0.3203, 0.5094</a>
Android (android.graphics.Color)	<a href="#">4286308957 (0xFF7BE25D)</a>
YUV	<a href="#">180.0410, -42.9112, -50.0250</a>
Hunter-Lab	<a href="#">77.0675, -48.3698, 38.6713</a>

# Details

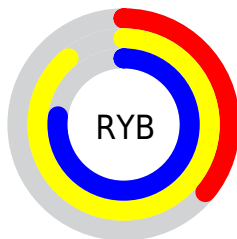
The Yxy color **59.3940, 0.3203, 0.5094** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **25.0566, 0.2884, 0.1788**, and the grayscale version is **45.9149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4503, 0.3264, 0.4533**, and **29.9462, 0.3138, 0.5603** is the 20% darker color. If you saturate the color by 10%, you get **57.8756, 0.3187, 0.5393**, and if you desaturate by 10%, it is **61.2664, 0.3207, 0.4766**.

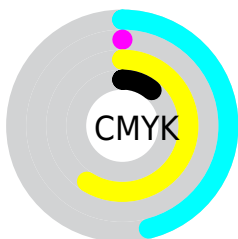
# Distribution



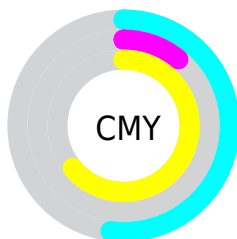
- Red (48%)
- Green (89%)
- Blue (36%)



- Red (36%)
- Yellow (89%)
- Blue (77%)



- Cyan (46%)
- Magenta (0%)
- Yellow (59%)
- Black (11%)




- Cyan (52%)
- Magenta (11%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3940, 0.3203, 0.5094 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 59.3940, 0.3203, 0.5094 by changing the saturation by 10% instead.





 59.3940, 0.3203,  
0.5094


 59.3940, 0.3203,  
0.5094


422.3605, 0.3222,  
0.4173

 42.9304, 0.3179,  
0.5321

 103.9501, 0.3224,  
0.4760

 29.8305, 0.3137,  
0.5605


 132.8113, 0.3228,  
0.4634

 19.7100, 0.3062,  
0.5970


 166.5739, 0.3229,  
0.4527

 12.1844, 0.2926,  
0.6442

 205.6222, 0.3229,  
0.4435

 6.8694, 0.2747,  
0.7253

250.3406, 0.3228,  
0.4356

 3.3805, 0.2189,  
0.7811

301.1135, 0.3226,

 1.3335, 0.0000,

0.4287

1.0000

358.3253, 0.3224,  
0.4227

■ 0.1669, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.3940, 0.3203,  
0.5094

■ 59.3940, 0.3203,  
0.5094

■ 57.8756, 0.3187,  
0.5393

■ 61.2664, 0.3207,  
0.4766

■ 56.6806, 0.3160,  
0.5641


■ 63.5061, 0.3202,  
0.4429


■ 55.7855, 0.3124,  
0.5820

■ 66.1348, 0.3189,  
0.4102

■ 55.1557, 0.3082,  
0.5928


■ 69.1702, 0.3170,  
0.3794

 55.0960, 0.3078,  
0.5938

 72.6289, 0.3148,  
0.3514

 76.5266, 0.3124,  
0.3262

 80.8783, 0.3100,  
0.3040

 82.8717, 0.3140,  
0.3009

# Harmonies

## Analogous

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



59.3940, 0.4095, 0.4968



59.3940, 0.3203, 0.5094



59.3940, 0.2338, 0.4405

# Triad

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



59.3940, 0.3203, 0.5094



59.3940, 0.1613, 0.1969



59.3940, 0.4693, 0.3028

# Complementary

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



59.3940, 0.3203, 0.5094



25.0566, 0.2884, 0.1788

# 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.



59.3940, 0.3792, 0.2450



59.3940, 0.3203, 0.5094



59.3940, 0.2032, 0.1866

# Square

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



59.3940, 0.3203, 0.5094



59.3940, 0.1511, 0.2416



59.3940, 0.2788, 0.2040



59.3940, 0.5059, 0.3688



# Rectangle

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



59.3940, 0.3203, 0.5094



59.3940, 0.1900, 0.3657



59.3940, 0.2788, 0.2040



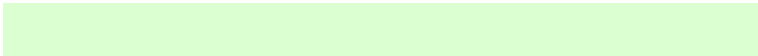
59.3940, 0.4435, 0.2823

# Sweetspot

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



59.3965, 0.3203, 0.5094



91.2602, 0.3169, 0.3773



55.9763, 0.4155, 0.4400



19.2686, 0.3175, 0.3860



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.



59.3965, 0.3203, 0.5094



75.6465, 0.3181, 0.5464



58.2914, 0.2877, 0.4705



15.4857, 0.3149, 0.3530



31.4766, 0.3087, 0.5931



2.2216, 0.3192, 0.5848



# Inverse Universe

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



25.0566, 0.2884, 0.1788



26.4263, 0.2808, 0.1538



27.7425, 0.3588, 0.2230



13.7715, 0.3102, 0.3056



8.3861, 0.2645, 0.1231

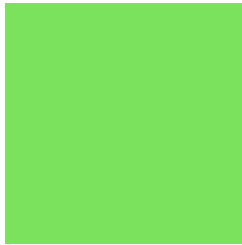


0.6200, 0.2736, 0.1281



# Previews

## White Background



This preview shows how the Yxy color 59.3940, 0.3203, 0.5094 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 59.3940, 0.3203, 0.5094 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 59.3940, 0.3203, 0.5094**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.3940, 0.3203, 0.5094.



This preview shows how white text looks on a background with the Yxy color 59.3940, 0.3203, 0.5094.

# 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

59.3940, 0.3203, 0.5094

### Protanopia

58.7602, 0.4130, 0.4533

### Deuteranopia

58.4527, 0.4289, 0.4203



## Tritanopia

59.0400, 0.2601, 0.3078

# Trichromacy



## Original Color

59.3940, 0.3203, 0.5094



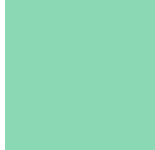
## Protanomaly

57.8746, 0.3747, 0.4756



## Deuteranomaly

56.6431, 0.3855, 0.4530



## Tritanomaly

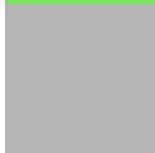
58.4100, 0.2833, 0.3786

# Monochromacy



## Original Color

59.3940, 0.3203, 0.5094



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

49.4416, 0.3181, 0.3970

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.3940, 0.3203, 0.5094 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(123, 226, 93)` looks like.

```
.text, #text, p{  
    color:rgb(123, 226, 93)  
}
```

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(123, 226, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 226, 93) }
```

## Border

The CSS property to change the border of an element to Yxy 59.3940, 0.3203, 0.5094 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(123, 226, 93) }
```

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

```
.border{ border-color:rgb(123, 226, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 226, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 226, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 226, 93);  
box-shadow:4px 4px 4px 4px rgb(123, 226,  
93) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.3940, 0.3203, 0.5094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 226, 93) }
```

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

```
.background{ background-color: rgb(123,  
226, 93) }
```

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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