

# Converting Colors

Yxy(57.3466, 0.3090, 0.4836)

Have a look what the booklet for  
Yxy(57.3466, 0.3090, 0.4836)  
contains.

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**Color**

**Yxy(57.3343, 0.3094, 0.4840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77DE70
RGB	119, 222, 112
RGB Percent	47%, 87%, 44%
CMY	0.5335, 0.1294, 0.5606
CMYK	0.46, 0.00, 0.50, 0.13
HSL	116°, 62%, 65%
HSV	116°, 50%, 87%
XYZ	36.6513, 57.3343, 24.4737
YIQ	178.6630, -26.0780, -56.0460

# Conversions

## Conversions Part 2

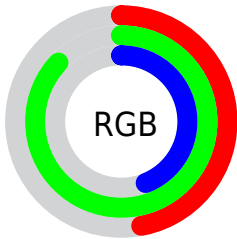
Format	Color
<b>RYB</b>	112, 222, 215
Decimal	7855728
CIELab	80.37, -51.44, 44.55
CIELCh	80, 68.051, 139.109
Yxy	57.3343, 0.3094, 0.4840
Android (android.graphics.Color)	4286045808 (0xFF77DE70)
YUV	178.6630, -32.8649, -52.3245
Hunter-Lab	75.7194, -46.1076, 33.8401

# Details

The Yxy color **57.3343, 0.3094, 0.4840** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **31.3298, 0.3114, 0.2074**, and the grayscale version is **45.0772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6203, 0.3142, 0.4324**, and **28.5392, 0.3022, 0.5296** is the 20% darker color. If you saturate the color by 10%, you get **55.5877, 0.3079, 0.5184**, and if you desaturate by 10%, it is **59.5297, 0.3106, 0.4486**.

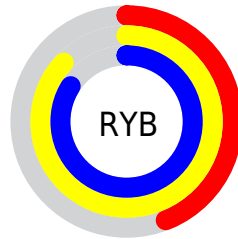
# Distribution



Red (47%)

Green (87%)

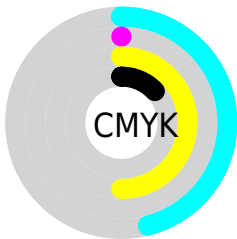
Blue (44%)



Red (44%)

Yellow (87%)

Blue (84%)

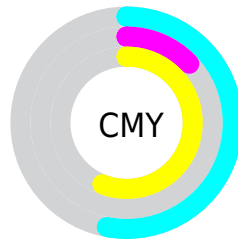


Cyan (46%)

Magenta (0%)

Yellow (50%)

Black (13%)



Cyan (53%)

Magenta (13%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.3343, 0.3094, 0.4840 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 57.3343, 0.3094, 0.4840 by changing the saturation by 10% instead.




 57.3343, 0.3094,  
0.4840


 57.3343, 0.3094,  
0.4840

414.7008, 0.3149,  
0.4040

 41.2737, 0.3068,  
0.5042

 100.9528, 0.3123,  
0.4546

 28.5330, 0.3026,  
0.5301


 129.2795, 0.3131,  
0.4437

 18.7278, 0.2959,  
0.5642


 162.4637, 0.3137,  
0.4344

 11.4738, 0.2841,  
0.6103

200.8898, 0.3141,  
0.4265

 6.3865, 0.2639,  
0.6781

244.9421, 0.3144,  
0.4197

 3.0815, 0.2237,  
0.7763

295.0051, 0.3146,

 1.1744, 0.0000,

0.4138

1.0000

351.4632, 0.3148,  
0.4086

■ 0.0407, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.3343, 0.3094,  
0.4840

■ 57.3343, 0.3094,  
0.4840

■ 55.5877, 0.3079,  
0.5184

■ 59.5297, 0.3106,  
0.4486

■ 54.2524, 0.3062,  
0.5492


■ 62.1941, 0.3115,  
0.4142


■ 53.2964, 0.3043,  
0.5738

■ 65.3553, 0.3121,  
0.3822


■ 52.6802, 0.3025,  
0.5903

■ 69.0368, 0.3125,  
0.3534

 52.3501, 0.3011,  
0.5988

 73.2605, 0.3127,  
0.3279

 52.3400, 0.3011,  
0.5991

 78.0472, 0.3128,  
0.3056

 80.7267, 0.3142,  
0.2970

# Harmonies

## Analogous

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



57.3343, 0.3918, 0.4863



57.3343, 0.3094, 0.4840



57.3343, 0.2324, 0.4138

# Triad

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



57.3343, 0.3094, 0.4840



57.3343, 0.1777, 0.2055



57.3343, 0.4616, 0.3154

# Complementary

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



57.3343, 0.3094, 0.4840



31.3298, 0.3114, 0.2074

# 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.



57.3343, 0.3864, 0.2598



57.3343, 0.3094, 0.4840



57.3343, 0.2216, 0.1993

# Square

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



57.3343, 0.3094, 0.4840



57.3343, 0.1641, 0.2426



57.3343, 0.2952, 0.2188



57.3343, 0.4872, 0.3776



# Rectangle

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



57.3343, 0.3094, 0.4840



57.3343, 0.1948, 0.3479



57.3343, 0.2952, 0.2188



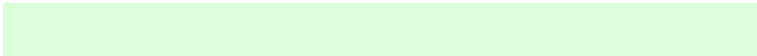
57.3343, 0.4408, 0.2958

# Sweetspot

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



57.3367, 0.3094, 0.4840



91.6016, 0.3123, 0.3691



65.1377, 0.3888, 0.4422



19.3828, 0.3122, 0.3753



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.



57.3367, 0.3094, 0.4840



76.1100, 0.3079, 0.5181



58.2210, 0.2802, 0.4169



15.3782, 0.3125, 0.3532



31.1028, 0.3014, 0.5989



2.1706, 0.3056, 0.5956



# Inverse Universe

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



31.3298, 0.3114, 0.2074



36.7383, 0.3105, 0.1873



30.1969, 0.3709, 0.2569



13.8894, 0.3128, 0.3058



11.1176, 0.3052, 0.1455

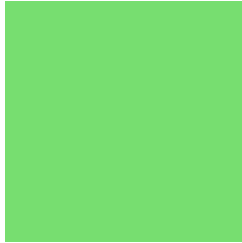


0.7841, 0.3078, 0.1469



# Previews

## White Background



This preview shows how the Yxy color 57.3343, 0.3094, 0.4840 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 57.3343, 0.3094, 0.4840 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 57.3343, 0.3094, 0.4840**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.3343, 0.3094, 0.4840.



This preview shows how white text looks on a background with the Yxy color 57.3343, 0.3094, 0.4840.

# 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

57.3343, 0.3094, 0.4840

### Protanopia

56.2931, 0.3996, 0.4359

### Deuteranopia

56.2765, 0.4126, 0.4037



## Tritanopia

56.8427, 0.2578, 0.3074

# Trichromacy



## Original Color

57.3343, 0.3094, 0.4840



## Protanomaly

55.6323, 0.3622, 0.4552



## Deuteranomaly

54.7934, 0.3702, 0.4328



## Tritanomaly

56.6642, 0.2771, 0.3682

# Monochromacy



## Original Color

57.3343, 0.3094, 0.4840



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

48.5649, 0.3117, 0.3848

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.3343, 0.3094, 0.4840 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(119, 222, 112)` looks like.

```
.text, #text, p{  
    color:rgb(119, 222, 112)  
}
```

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(119, 222, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 222, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 57.3343, 0.3094, 0.4840 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(119, 222, 112) }
```

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

```
.border{ border-color:rgb(119, 222, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 222, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 222, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 222, 112); box-shadow:4px 4px 4px 4px rgb(119, 222, 112) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.3343, 0.3094, 0.4840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 222, 112) }
```

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

```
.background{ background-color: rgb(119,  
222, 112) }
```

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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