

# Converting Colors

Yxy(62.5865, 0.2940, 0.4919)

Have a look what the booklet for  
Yxy(62.5865, 0.2940, 0.4919)  
contains.

<b>Yxy(62.5865, 0.2940, 0.4919)</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(62.5865, 0.2940, 0.4919)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FEA76
RGB	95, 234, 118
RGB Percent	37%, 92%, 46%
CMY	0.6277, 0.0823, 0.5373
CMYK	0.59, 0.00, 0.50, 0.08
HSL	130°, 77%, 65%
HSV	130°, 59%, 92%
XYZ	37.4069, 62.5865, 27.2408
YIQ	179.2150, -45.6080, -65.5440

# Conversions

## Conversions Part 2

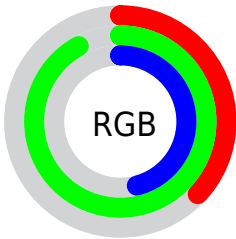
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 214, 234
Decimal	6285942
CIELab	83.22, -61.28, 45.05
CIELCh	83, 76.056, 143.674
Yxy	62.5865, 0.2940, 0.4919
Android (android.graphics.Color)	4284476022 (0xFF5FEA76)
YUV	179.2150, -30.1790, -73.8566
Hunter-Lab	79.1116, -54.0441, 34.9626

# Details

The Yxy color **62.5865, 0.2940, 0.4919** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle muted spring green. A complement of this color would be **30.3713, 0.3433, 0.2095**, and the grayscale version is **45.3751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6667, 0.2997, 0.4286**, and **31.8441, 0.2834, 0.5399** is the 20% darker color. If you saturate the color by 10%, you get **61.1023, 0.2930, 0.5220**, and if you desaturate by 10%, it is **64.5482, 0.2960, 0.4605**.

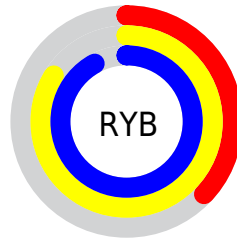
# Distribution



Red (37%)

Green (92%)

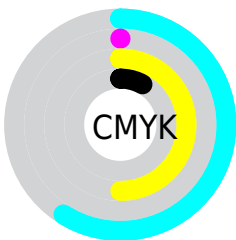
Blue (46%)



Red (37%)

Yellow (84%)

Blue (92%)

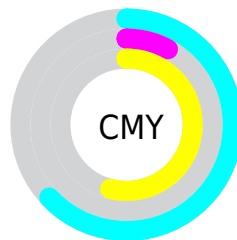


Cyan (59%)

Magenta (0%)

Yellow (50%)

Black (8%)



Cyan (63%)

Magenta (8%)


Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5865, 0.2940, 0.4919 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 62.5865, 0.2940, 0.4919 by changing the saturation by 10% instead.



 62.5865, 0.2940,  
0.4919


 62.5865, 0.2940,  
0.4919


434.0672, 0.3070,  
0.4083


 45.5068, 0.2896,  
0.5129


 108.5727, 0.2996,  
0.4613

 31.8568, 0.2834,  
0.5397


 138.2480, 0.3014,  
0.4499

 21.2521, 0.2742,  
0.5748


 172.8907, 0.3029,  
0.4402

 13.3084, 0.2596,  
0.6222

 212.8850, 0.3041,  
0.4320

 7.6413, 0.2352,  
0.6878

258.6154, 0.3050,  
0.4248

 3.8663, 0.1977,  
0.8023


310.4663, 0.3058,

 1.5990, 0.0000,


0.4186


1.0000


368.8221, 0.3065,  
0.4132


 0.3570, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 62.5865, 0.2940,  
0.4919

 62.5865, 0.2940,  
0.4919


 61.1023, 0.2930,  
0.5220


 64.5482, 0.2960,  
0.4605


 60.0469, 0.2931,  
0.5489


 67.0155, 0.2988,  
0.4295


 59.3749, 0.2943,  
0.5707

 70.0236, 0.3021,  
0.4002

 59.0125, 0.2963,  
0.5863


 73.6023, 0.3057,  
0.3733

 58.9964, 0.2964,  
0.5870

 77.7791, 0.3093,  
0.3492

 82.5797, 0.3129,  
0.3279

 87.3094, 0.3139,  
0.3091

 87.3315, 0.3137,  
0.3088

# Harmonies

## Analogous

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



62.5865, 0.3828, 0.5030



62.5865, 0.2940, 0.4919



62.5865, 0.2150, 0.4054

# Triad

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



62.5865, 0.2940, 0.4919



62.5865, 0.1736, 0.1938



62.5865, 0.4824, 0.3228

# Complementary

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



62.5865, 0.2940, 0.4919



30.3713, 0.3433, 0.2095

# 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.



62.5865, 0.4070, 0.2628



62.5865, 0.2940, 0.4919



62.5865, 0.2247, 0.1922

# Square

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



62.5865, 0.2940, 0.4919



62.5865, 0.1544, 0.2268



62.5865, 0.3077, 0.2166



62.5865, 0.4992, 0.3889



# Rectangle

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



62.5865, 0.2940, 0.4919



62.5865, 0.1789, 0.3325



62.5865, 0.3077, 0.2166



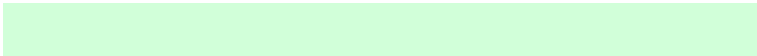
62.5865, 0.4627, 0.3018

# Sweetspot

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



62.5891, 0.2940, 0.4919



90.0842, 0.3062, 0.3699



73.8455, 0.3810, 0.4771



18.9877, 0.3051, 0.3774



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.



62.5891, 0.2940, 0.4919



73.9720, 0.2929, 0.5275



64.7987, 0.2617, 0.3950



16.9029, 0.3093, 0.3492



33.1617, 0.2959, 0.5851



2.6161, 0.2896, 0.5624



# Inverse Universe

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



30.3713, 0.3433, 0.2095



31.5879, 0.3510, 0.1936



27.6712, 0.4303, 0.2767



15.2684, 0.3163, 0.3096



12.0663, 0.3677, 0.1799



0.9589, 0.3601, 0.1758



# Previews

## White Background



This preview shows how the Yxy color 62.5865, 0.2940, 0.4919 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 62.5865, 0.2940, 0.4919 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 62.5865, 0.2940, 0.4919**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.5865, 0.2940, 0.4919.



This preview shows how white text looks on a background with the Yxy color 62.5865, 0.2940, 0.4919.

# 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

62.5865, 0.2940, 0.4919

### Protanopia

61.5562, 0.4001, 0.4362

### Deuteranopia

61.1519, 0.4111, 0.4013



## Tritanopia

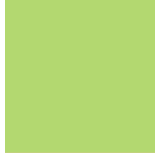
62.3805, 0.2459, 0.3066

# Trichromacy



## Original Color

62.5865, 0.2940, 0.4919



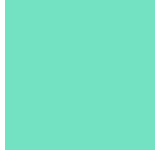
## Protanomaly

59.8653, 0.3533, 0.4591



## Deuteranomaly

58.8859, 0.3594, 0.4348



## Tritanomaly

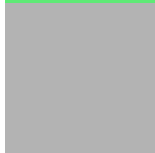
61.9777, 0.2636, 0.3703

# Monochromacy



## Original Color

62.5865, 0.2940, 0.4919



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

49.5771, 0.3032, 0.3882

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5865, 0.2940, 0.4919 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(95, 234, 118)` looks like.

```
.text, #text, p{  
    color:rgb(95, 234, 118)  
}
```

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(95, 234, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 234, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5865, 0.2940, 0.4919 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(95, 234, 118) }
```

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

```
.border{ border-color:rgb(95, 234, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 234, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 234, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 234, 118);  
box-shadow:4px 4px 4px 4px rgb(95, 234,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5865, 0.2940, 0.4919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 234, 118) }
```

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

```
.background{ background-color: rgb(95, 234,  
118) }
```

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