

# Converting Colors

$Yxy(60.8514, 0.3073, 0.5301)$

Have a look what the booklet for  
Yxy(60.8514, 0.3073, 0.5301)  
contains.

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# Color

**Yxy(60.8180, 0.3072, 0.5300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FE856
RGB	95, 232, 86
RGB Percent	37%, 91%, 34%
CMY	0.6276, 0.0902, 0.6628
CMYK	0.59, 0.00, 0.63, 0.09
HSL	116°, 76%, 62%
HSV	116°, 63%, 91%
XYZ	35.2515, 60.8180, 18.6815
YIQ	174.3930, -34.7860, -74.4500

# Conversions

## Conversions Part 2

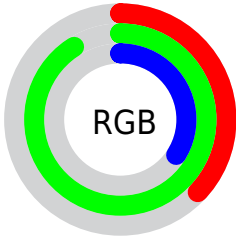
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 232, 223
Decimal	6285398
CIELab	82.28, -64.39, 58.32
CIELCh	82, 86.869, 137.832
Yxy	60.8180, 0.3072, 0.5300
Android (android.graphics.Color)	4284475478 (0xFF5FE856)
YUV	174.3930, -43.5777, -69.6277
Hunter-Lab	77.9859, -55.7891, 40.3873

# Details

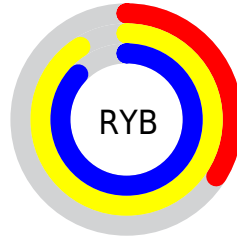
The Yxy color **60.8180, 0.3072, 0.5300** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **28.1748, 0.3103, 0.1809**, and the grayscale version is **42.7767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6112, 0.3149, 0.4660**, and **30.7391, 0.2962, 0.5864** is the 20% darker color. If you saturate the color by 10%, you get **59.4984, 0.3054, 0.5589**, and if you desaturate by 10%, it is **62.5899, 0.3088, 0.4965**.

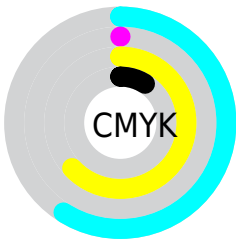
# Distribution



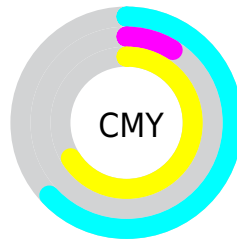
- Red (37%)
- Green (91%)
- Blue (34%)



- Red (34%)
- Yellow (91%)
- Blue (87%)



- Cyan (59%)
- Magenta (0%)
- Yellow (63%)
- Black (9%)




- Cyan (63%)
- Magenta (9%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8180, 0.3072, 0.5300 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 60.8180, 0.3072, 0.5300 by changing the saturation by 10% instead.





 60.8180, 0.3072,  
0.5300


 60.8180, 0.3072,  
0.5300


427.6064, 0.3166,  
0.4268

 44.0783, 0.3027,  
0.5554


 106.0154, 0.3122,  
0.4925

 30.7321, 0.2957,  
0.5872


 135.2418, 0.3136,  
0.4784

 20.3949, 0.2845,  
0.6277


 169.3993, 0.3146,  
0.4664

 12.6824, 0.2657,  
0.6796

 208.8723, 0.3153,  
0.4562

 7.2102, 0.2384,  
0.7616

254.0451, 0.3158,  
0.4474

 3.5939, 0.1770,  
0.8230

305.3021, 0.3162,

 1.4491, 0.0000,

0.4396

1.0000

363.0277, 0.3164,  
0.4328

■ 0.2525, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.8180, 0.3072,  
0.5300

■ 60.8180, 0.3072,  
0.5300

■ 59.4984, 0.3054,  
0.5589

■ 62.5899, 0.3088,  
0.4965

■ 58.5831, 0.3036,  
0.5808

■ 64.8416, 0.3101,  
0.4610


■ 58.0274, 0.3019,  
0.5942

■ 67.6076, 0.3111,  
0.4260


■ 57.8138, 0.3010,  
0.5992

■ 70.9169, 0.3119,  
0.3930

 74.7963, 0.3124,  
0.3629

 79.2711, 0.3127,  
0.3362

 84.3648, 0.3128,  
0.3128

 86.1984, 0.3138,  
0.3068

# Harmonies

## Analogous

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



60.8180, 0.4057, 0.5185



60.8180, 0.3072, 0.5300



60.8180, 0.2151, 0.4428

# Triad

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



60.8180, 0.3072, 0.5300



60.8180, 0.1509, 0.1813



60.8180, 0.4955, 0.3053

# Complementary

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



60.8180, 0.3072, 0.5300



28.1748, 0.3103, 0.1809

# 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.



60.8180, 0.3986, 0.2424



60.8180, 0.3072, 0.5300



60.8180, 0.1992, 0.1746

# Square

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



60.8180, 0.3072, 0.5300



60.8180, 0.1363, 0.2237



60.8180, 0.2851, 0.1962



60.8180, 0.5263, 0.3761



# Rectangle

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



60.8180, 0.3072, 0.5300



60.8180, 0.1709, 0.3553



60.8180, 0.2851, 0.1962



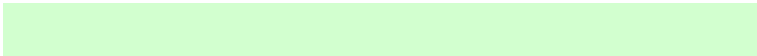
60.8180, 0.4687, 0.2832

# Sweetspot

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



60.8205, 0.3072, 0.5300



89.6351, 0.3121, 0.3811



70.2175, 0.4063, 0.4665



18.9013, 0.3119, 0.3899



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.



60.8205, 0.3072, 0.5300



73.2795, 0.3048, 0.5674



61.8746, 0.2754, 0.4468



16.1312, 0.3125, 0.3532



32.1110, 0.3014, 0.5989



2.3879, 0.3052, 0.5959



# Inverse Universe

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



28.1748, 0.3103, 0.1809



29.6511, 0.3088, 0.1614



26.6654, 0.3953, 0.2410



14.5678, 0.3128, 0.3058



11.5087, 0.3056, 0.1457

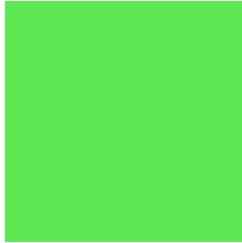


0.8642, 0.3080, 0.1470



# Previews

## White Background



This preview shows how the Yxy color 60.8180, 0.3072, 0.5300 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 60.8180, 0.3072, 0.5300 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

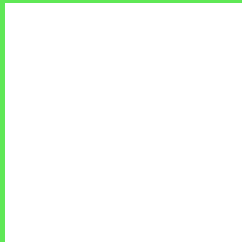
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.8180, 0.3072, 0.5300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.8180, 0.3072, 0.5300.



This preview shows how white text looks on a background with the Yxy color 60.8180, 0.3072, 0.5300.

# 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

60.8180, 0.3072, 0.5300

### Protanopia

59.4307, 0.4182, 0.4594

### Deuteranopia

59.3458, 0.4340, 0.4243



## Tritanopia

60.2910, 0.2483, 0.3063

# Trichromacy



## Original Color

60.8180, 0.3072, 0.5300



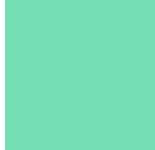
## Protanomaly

58.1522, 0.3696, 0.4897



## Deuteranomaly

56.9031, 0.3799, 0.4641



## Tritanomaly

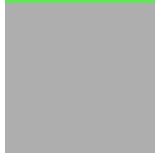
59.3607, 0.2712, 0.3851

# Monochromacy



## Original Color

60.8180, 0.3072, 0.5300



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

47.0029, 0.3114, 0.4058

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.8180, 0.3072, 0.5300 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, 232, 86)` looks like.

```
.text, #text, p{  
    color:rgb(95, 232, 86)  
}
```

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, 232, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 232, 86) }
```

## Border

The CSS property to change the border of an element to Yxy 60.8180, 0.3072, 0.5300 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, 232, 86) }
```

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

```
.border{ border-color:rgb(95, 232, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 232, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 232, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 232, 86);  
box-shadow:4px 4px 4px 4px rgb(95, 232,  
86) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.8180, 0.3072, 0.5300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 232, 86) }
```

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

```
.background{ background-color: rgb(95, 232,  
86) }
```

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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