

# Converting Colors

Yxy(53.3131, 0.2984, 0.5074)

Have a look what the booklet for  
Yxy(53.3131, 0.2984, 0.5074)  
contains.

<b>Yxy(53.5901, 0.2985, 0.5075)</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(53.5901, 0.2985, 0.5075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57DB63
RGB	87, 219, 99
RGB Percent	34%, 86%, 39%
CMY	0.6584, 0.1412, 0.6118
CMYK	0.60, 0.00, 0.55, 0.14
HSL	125°, 65%, 60%
HSV	125°, 60%, 86%
XYZ	31.5205, 53.5901, 20.4857
YIQ	165.8520, -40.1520, -65.3040

# Conversions

## Conversions Part 2

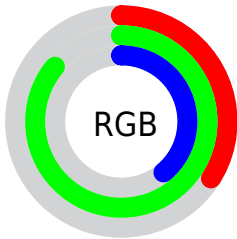
Format	Color
<a href="#">RYB</a>	<a href="#">87, 208, 219</a>
Decimal	<a href="#">5757795</a>
CIELab	<a href="#">78.22, -60.04, 47.85</a>
CIELCh	<a href="#">78, 76.775, 141.447</a>
Yxy	<a href="#">53.5901, 0.2985, 0.5075</a>
Android (android.graphics.Color)	<a href="#">4283947875</a> ( <a href="#">0xFF57DB63</a> )
YUV	<a href="#">165.8520, -32.9580, -69.1532</a>
Hunter-Lab	<a href="#">73.2053, -51.2513, 34.6520</a>

# Details

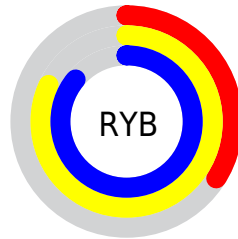
The Yxy color **53.5901, 0.2985, 0.5075** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **26.4008, 0.3321, 0.1997**, and the grayscale version is **38.2475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0829, 0.3047, 0.4549**, and **26.3996, 0.2891, 0.5608** is the 20% darker color. If you saturate the color by 10%, you get **52.3568, 0.2974, 0.5382**, and if you desaturate by 10%, it is **55.2416, 0.3002, 0.4744**.

# Distribution



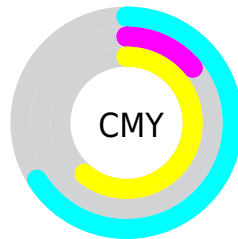
- Red (34%)
- Green (86%)
- Blue (39%)



- Red (34%)
- Yellow (82%)
- Blue (86%)



- Cyan (60%)
- Magenta (0%)
- Yellow (55%)
- Black (14%)




- Cyan (66%)
- Magenta (14%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5901, 0.2985, 0.5075 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 53.5901, 0.2985, 0.5075 by changing the saturation by 10% instead.




 53.5901, 0.2985,  
0.5075


 53.5901, 0.2985,  
0.5075


400.5450, 0.3105,  
0.4136


 38.2741, 0.2938,  
0.5317


 95.4721, 0.3041,  
0.4726


 26.1955, 0.2868,  
0.5628


 122.8069, 0.3058,  
0.4597

 16.9699, 0.2757,  
0.6039

 154.9167, 0.3071,  
0.4489

 10.2130, 0.2572,  
0.6593

 192.1859, 0.3081,  
0.4397

 5.5404, 0.2322,  
0.7600

234.9990, 0.3089,  
0.4318

 2.5677, 0.1496,  
0.8504

283.7403, 0.3096,

 0.9105, 0.0000,

0.4249

1.0000

338.7941, 0.3101,  
0.4189

■ 0.0000, 0.0000,  
0.0000

■ 53.5901, 0.2985,  
0.5075

■ 53.5901, 0.2985,  
0.5075

■ 52.3568, 0.2974,  
0.5382

■ 55.2416, 0.3002,  
0.4744

■ 51.4980, 0.2972,  
0.5641

■ 57.3371, 0.3024,  
0.4410


■ 50.9725, 0.2977,  
0.5832


■ 59.9081, 0.3049,  
0.4090


■ 50.7103, 0.2985,  
0.5948

■ 62.9814, 0.3075,  
0.3795

■ 66.5818, 0.3102,  
0.3529

 70.7324, 0.3127,  
0.3295

 75.4549, 0.3150,  
0.3091

 79.1407, 0.3144,  
0.2940

# Harmonies

## Analogous

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



53.5901, 0.3916, 0.5107



53.5901, 0.2985, 0.5075



53.5901, 0.2141, 0.4191

# Triad

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



53.5901, 0.2985, 0.5075



53.5901, 0.1642, 0.1882



53.5901, 0.4888, 0.3163

# Complementary

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



53.5901, 0.2985, 0.5075



26.4008, 0.3321, 0.1997

# 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.



53.5901, 0.4050, 0.2548



53.5901, 0.2985, 0.5075



53.5901, 0.2146, 0.1848

# Square

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



53.5901, 0.2985, 0.5075



53.5901, 0.1466, 0.2247



53.5901, 0.2995, 0.2084



53.5901, 0.5105, 0.3846

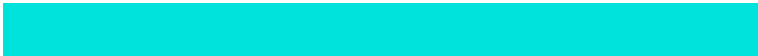


# Rectangle

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



53.5901, 0.2985, 0.5075



53.5901, 0.1749, 0.3403



53.5901, 0.2995, 0.2084



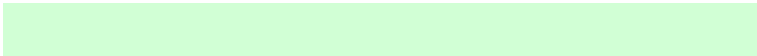
53.5901, 0.4665, 0.2947

# Sweetspot

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



53.5923, 0.2985, 0.5075



89.9063, 0.3081, 0.3737



64.7608, 0.3886, 0.4742



18.9452, 0.3073, 0.3819



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.



53.5923, 0.2985, 0.5075



73.5788, 0.2973, 0.5449



55.3732, 0.2659, 0.4093



14.6252, 0.3104, 0.3509



30.0771, 0.2982, 0.5935



1.9553, 0.2933, 0.5759



# Inverse Universe

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



26.4008, 0.3321, 0.1997



32.0160, 0.3366, 0.1826



23.8459, 0.4187, 0.2661



13.2535, 0.3152, 0.3080



11.3900, 0.3449, 0.1674



0.7440, 0.3405, 0.1649



# Previews

## White Background



This preview shows how the Yxy color 53.5901, 0.2985, 0.5075 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 53.5901, 0.2985, 0.5075 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 53.5901, 0.2985, 0.5075**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.5901, 0.2985, 0.5075.

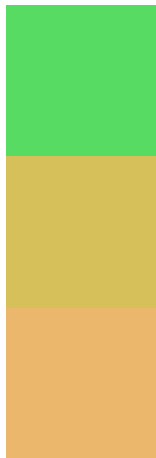


This preview shows how white text looks on a background with the Yxy color 53.5901, 0.2985, 0.5075.

# 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

53.5901, 0.2985, 0.5075

### Protanopia

52.5836, 0.4079, 0.4456

### Deuteranopia

52.4635, 0.4194, 0.4103



## Tritanopia

53.3219, 0.2463, 0.3064

# Trichromacy



## Original Color

53.5901, 0.2985, 0.5075



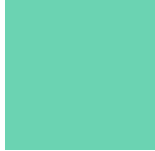
## Protanomaly

51.2469, 0.3598, 0.4725



## Deuteranomaly

50.3235, 0.3673, 0.4470



## Tritanomaly

52.9287, 0.2658, 0.3762

# Monochromacy



## Original Color

53.5901, 0.2985, 0.5075



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

41.9693, 0.3056, 0.3941

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.5901, 0.2985, 0.5075 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(87, 219, 99)` looks like.

```
.text, #text, p{  
    color:rgb(87, 219, 99)  
}
```

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(87, 219, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 219, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 53.5901, 0.2985, 0.5075 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(87, 219, 99) }
```

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

```
.border{ border-color:rgb(87, 219, 99) }
```

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

Here you see how a box with a 4 pixel rgb(87, 219, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 219, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 219, 99);  
box-shadow:4px 4px 4px 4px rgb(87, 219,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.5901, 0.2985, 0.5075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 219, 99) }
```

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

```
.background{ background-color: rgb(87, 219,  
99) }
```

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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