

# Converting Colors

$Yxy(57.7689, 0.2885, 0.4677)$

Have a look what the booklet for  
Yxy(57.7689, 0.2885, 0.4677)  
contains.

<b>Yxy(57.9222, 0.2887, 0.4682)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(57.9222, 0.2887, 0.4682)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60E181
RGB	96, 225, 129
RGB Percent	38%, 88%, 51%
CMY	0.6234, 0.1177, 0.4940
CMYK	0.57, 0.00, 0.43, 0.12
HSL	135°, 68%, 63%
HSV	135°, 57%, 88%
XYZ	35.7158, 57.9222, 30.0745
YIQ	175.4850, -46.0680, -57.2040

# Conversions

## Conversions Part 2

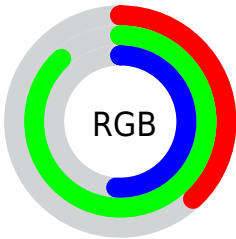
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 199, 225
Decimal	6349185
CIELab	80.70, -55.98, 36.47
CIElCh	81, 66.812, 146.920
Yxy	57.9222, 0.2887, 0.4682
Android (android.graphics.Color)	4284539265 (0xFF60E181)
YUV	175.4850, -22.9171, -69.7083
Hunter-Lab	76.1066, -49.4190, 29.8454

# Details

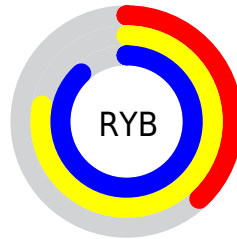
The Yxy color **57.9222, 0.2887, 0.4682** is a light color, and the websafe version is hex **33CC66**. A complement of this color would be **28.1870, 0.3555, 0.2239**, and the grayscale version is **43.2809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0068, 0.2936, 0.4150**, and **29.0546, 0.2781, 0.5111** is the 20% darker color. If you saturate the color by 10%, you get **56.4637, 0.2872, 0.4966**, and if you desaturate by 10%, it is **59.8076, 0.2915, 0.4398**.

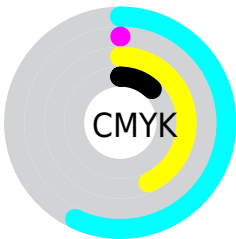
# Distribution



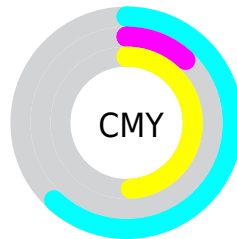
- Red (38%)
- Green (88%)
- Blue (51%)



- Red (38%)
- Yellow (78%)
- Blue (88%)



- Cyan (57%)
- Magenta (0%)
- Yellow (43%)
- Black (12%)



- Cyan (62%)
- Magenta (12%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9222, 0.2887, 0.4682 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 57.9222, 0.2887, 0.4682 by changing the saturation by 10% instead.





 57.9222, 0.2887,  
0.4682


 57.9222, 0.2887,  
0.4682


416.8960, 0.3032,  
0.3961


 41.7461, 0.2843,  
0.4867

 101.8096, 0.2946,  
0.4416


 28.9025, 0.2782,  
0.5106


 130.2896, 0.2966,  
0.4317

 19.0071, 0.2693,  
0.5426


 163.6398, 0.2982,  
0.4234

 11.6754, 0.2556,  
0.5869

 202.2444, 0.2996,  
0.4163

 6.5231, 0.2328,  
0.6511

246.4880, 0.3007,  
0.4102

 3.1657, 0.2039,  
0.7961

296.7548, 0.3017,

 1.2188, 0.0000,

0.4049

1.0000

353.4294, 0.3025,  
0.4002

■ 0.0770, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.9222, 0.2887,  
0.4682

■ 57.9222, 0.2887,  
0.4682

■ 56.4637, 0.2872,  
0.4966

■ 59.8076, 0.2915,  
0.4398

■ 55.3908, 0.2871,  
0.5235


■ 62.1432, 0.2952,  
0.4124


■ 54.6660, 0.2886,  
0.5473

■ 64.9588, 0.2995,  
0.3868

■ 54.2372, 0.2913,  
0.5669


■ 68.2798, 0.3043,  
0.3635

 54.1508, 0.2921,  
0.5714

 72.1297, 0.3091,  
0.3427

 76.5304, 0.3140,  
0.3243

 81.5027, 0.3188,  
0.3082

 82.3299, 0.3141,  
0.2999

# Harmonies

## Analogous

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



57.9222, 0.3704, 0.4885



57.9222, 0.2887, 0.4682



57.9222, 0.2180, 0.3871

# Triad

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



57.9222, 0.2887, 0.4682



57.9222, 0.1884, 0.2035



57.9222, 0.4705, 0.3315

# Complementary

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



57.9222, 0.2887, 0.4682



28.1870, 0.3555, 0.2239

# 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.



57.9222, 0.4071, 0.2744



57.9222, 0.2887, 0.4682



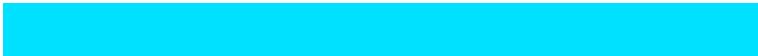
57.9222, 0.2396, 0.2043

# Square

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



57.9222, 0.2887, 0.4682



57.9222, 0.1673, 0.2316



57.9222, 0.3183, 0.2295



57.9222, 0.4810, 0.3935



# Rectangle

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



57.9222, 0.2887, 0.4682



57.9222, 0.1865, 0.3233



57.9222, 0.3183, 0.2295



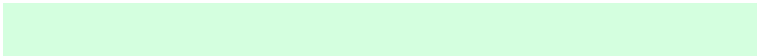
57.9222, 0.4545, 0.3116

# Sweetspot

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



57.9246, 0.2887, 0.4682



90.7787, 0.3044, 0.3631



66.0011, 0.3691, 0.4779



19.2269, 0.3034, 0.3676



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.



57.9246, 0.2887, 0.4682



74.6410, 0.2870, 0.5026



60.1785, 0.2564, 0.3731



15.3945, 0.3081, 0.3469



31.2206, 0.2914, 0.5689



2.1784, 0.2830, 0.5388



# Inverse Universe

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



28.1870, 0.3555, 0.2239



31.5121, 0.3680, 0.2083



25.9465, 0.4421, 0.2930



13.8726, 0.3177, 0.3117



10.8615, 0.3980, 0.1966



0.7671, 0.3835, 0.1887



# Previews

## White Background



This preview shows how the Yxy color 57.9222, 0.2887, 0.4682 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 57.9222, 0.2887, 0.4682 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 57.9222, 0.2887, 0.4682**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.9222, 0.2887, 0.4682.



This preview shows how white text looks on a background with the Yxy color 57.9222, 0.2887, 0.4682.

# 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

57.9222, 0.2887, 0.4682

### Protanopia

56.9305, 0.3880, 0.4218

### Deuteranopia

56.6376, 0.3961, 0.3878



## Tritanopia

57.5126, 0.2469, 0.3071

# Trichromacy



## Original Color

57.9222, 0.2887, 0.4682



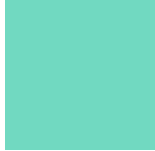
## Protanomaly

55.4260, 0.3443, 0.4401



## Deuteranomaly

54.8722, 0.3491, 0.4173



## Tritanomaly

56.9867, 0.2619, 0.3618

# Monochromacy



## Original Color

57.9222, 0.2887, 0.4682



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

46.7195, 0.3010, 0.3791

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.9222, 0.2887, 0.4682 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(96, 225, 129)` looks like.

```
.text, #text, p{  
    color:rgb(96, 225, 129)  
}
```

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(96, 225, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 225, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 57.9222, 0.2887, 0.4682 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(96, 225, 129) }
```

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

```
.border{ border-color:rgb(96, 225, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 225, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 225, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 225, 129);  
box-shadow:4px 4px 4px 4px rgb(96, 225,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.9222, 0.2887, 0.4682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 225, 129) }
```

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

```
.background{ background-color: rgb(96, 225,  
129) }
```

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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