

# Converting Colors

Yxy(57.4963, 0.3210, 0.5524)

Have a look what the booklet for  
Yxy(57.4963, 0.3210, 0.5524)  
contains.

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**Color**

**Yxy(57.5129, 0.3209, 0.5523)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66E239
RGB	102, 226, 57
RGB Percent	40%, 89%, 22%
CMY	0.5999, 0.1137, 0.7766
CMYK	0.55, 0.00, 0.75, 0.11
HSL	104°, 74%, 55%
HSV	104°, 75%, 89%
XYZ	33.4164, 57.5129, 13.2041
YIQ	169.6580, -19.6550, -78.8470

# Conversions

## Conversions Part 2

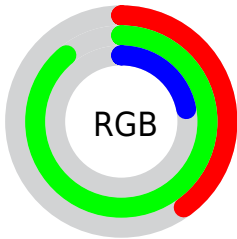
Format	Color
<a href="#">RYB</a>	<a href="#">57, 226, 181</a>
Decimal	<a href="#">6742585</a>
CIELab	<a href="#">80.47, -62.91, 67.33</a>
CIELCh	<a href="#">80, 92.147, 133.059</a>
Yxy	<a href="#">57.5129, 0.3209, 0.5523</a>
Android (android.graphics.Color)	<a href="#">4284932665 (0xFF66E239)</a>
YUV	<a href="#">169.6580, -55.5404, -59.3361</a>
Hunter-Lab	<a href="#">75.8373, -54.0622, 42.7630</a>

# Details

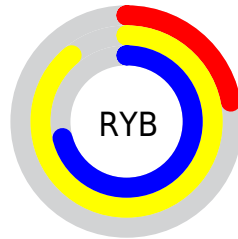
The Yxy color **57.5129, 0.3209, 0.5523** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **18.2271, 0.2714, 0.1445**, and the grayscale version is **40.3116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6503, 0.3308, 0.4925**, and **28.5581, 0.3039, 0.5969** is the 20% darker color. If you saturate the color by 10%, you get **56.4641, 0.3174, 0.5730**, and if you desaturate by 10%, it is **58.8605, 0.3231, 0.5255**.

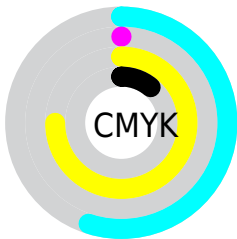
# Distribution



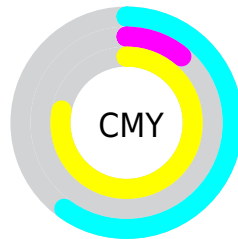
- Red (40%)
- Green (89%)
- Blue (22%)



- Red (22%)
- Yellow (89%)
- Blue (71%)



- Cyan (55%)
- Magenta (0%)
- Yellow (75%)
- Black (11%)




- Cyan (60%)
- Magenta (11%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5129, 0.3209, 0.5523 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 57.5129, 0.3209, 0.5523 by changing the saturation by 10% instead.





 57.5129, 0.3209,  
0.5523


 57.5129, 0.3209,  
0.5523


415.3684, 0.3261,  
0.4382

 41.4172, 0.3163,  
0.5796


 101.2132, 0.3252,  
0.5113


 28.6452, 0.3087,  
0.6131


 129.5865, 0.3261,  
0.4957

 18.8126, 0.2956,  
0.6544


 162.8212, 0.3266,  
0.4824

 11.5349, 0.2763,  
0.7131

 201.3016, 0.3267,  
0.4710

 6.4279, 0.2347,  
0.7653

 245.4122, 0.3267,  
0.4611

 3.1069, 0.1659,  
0.8341

295.5372, 0.3266,

 1.1878, 0.0000,

0.4525

1.0000

352.0612, 0.3264,  
0.4449

■ 0.0517, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.5129, 0.3209,  
0.5523

■ 57.5129, 0.3209,  
0.5523

■ 56.4641, 0.3174,  
0.5730

■ 58.8605, 0.3231,  
0.5255

■ 55.6806, 0.3130,  
0.5867


■ 60.5219, 0.3239,  
0.4947


■ 55.3625, 0.3107,  
0.5915


■ 62.5198, 0.3234,  
0.4618


■ 64.8723, 0.3220,  
0.4288

 67.5963, 0.3198,  
0.3971

 70.7075, 0.3171,  
0.3677

 74.2208, 0.3142,  
0.3409

 78.1501, 0.3111,  
0.3169

 82.1590, 0.3115,  
0.3007

# Harmonies

## Analogous

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



57.5129, 0.4241, 0.5206



57.5129, 0.3209, 0.5523



57.5129, 0.2207, 0.4746

# Triad

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



57.5129, 0.3209, 0.5523



57.5129, 0.1370, 0.1761



57.5129, 0.4970, 0.2909

# Complementary

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



57.5129, 0.3209, 0.5523



18.2271, 0.2714, 0.1445

# 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.



57.5129, 0.3848, 0.2274



57.5129, 0.3209, 0.5523



57.5129, 0.1812, 0.1646

# Square

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



57.5129, 0.3209, 0.5523



57.5129, 0.1269, 0.2267



57.5129, 0.2652, 0.1828



57.5129, 0.5416, 0.3633



# Rectangle

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



57.5129, 0.3209, 0.5523



57.5129, 0.1702, 0.3792



57.5129, 0.2652, 0.1828



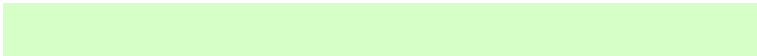
57.5129, 0.4646, 0.2683

# Sweetspot

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



57.5153, 0.3209, 0.5523



89.9141, 0.3191, 0.3891



48.3466, 0.4488, 0.4516



19.0175, 0.3198, 0.3974



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.



57.5153, 0.3209, 0.5523



73.6043, 0.3150, 0.5818



56.0627, 0.2896, 0.5258



15.5131, 0.3156, 0.3529



31.6335, 0.3116, 0.5908



2.2359, 0.3228, 0.5819



# Inverse Universe

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



18.2271, 0.2714, 0.1445



19.3794, 0.2600, 0.1241



22.7813, 0.3645, 0.1975



13.7422, 0.3095, 0.3056



7.8019, 0.2545, 0.1176

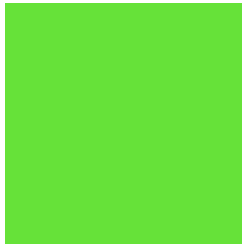


0.5838, 0.2651, 0.1234



# Previews

## White Background



This preview shows how the Yxy color 57.5129, 0.3209, 0.5523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

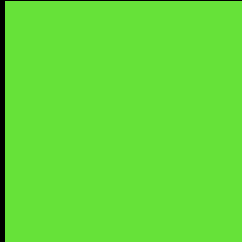
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.5129, 0.3209, 0.5523 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 57.5129, 0.3209, 0.5523**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.5129, 0.3209, 0.5523.

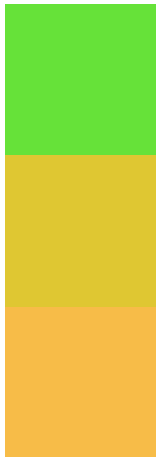


This preview shows how white text looks on a background with the Yxy color 57.5129, 0.3209, 0.5523.

# 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

57.5129, 0.3209, 0.5523

### Protanopia

56.7651, 0.4305, 0.4752

### Deuteranopia

56.2085, 0.4505, 0.4403



## Tritanopia

57.2583, 0.2529, 0.3073

# Trichromacy



## Original Color

57.5129, 0.3209, 0.5523



## Protanomaly

55.4417, 0.3845, 0.5071



## Deuteranomaly

54.1156, 0.3966, 0.4835



## Tritanomaly

56.0025, 0.2813, 0.3992

# Monochromacy



## Original Color

57.5129, 0.3209, 0.5523



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

44.4316, 0.3211, 0.4190

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5129, 0.3209, 0.5523 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(102, 226, 57)` looks like.

```
.text, #text, p{  
    color:rgb(102, 226, 57)  
}
```

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(102, 226, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 226, 57) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5129, 0.3209, 0.5523 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(102, 226, 57) }
```

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

```
.border{ border-color:rgb(102, 226, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 226, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 226, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 226, 57);  
box-shadow:4px 4px 4px 4px rgb(102, 226,  
57) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5129, 0.3209, 0.5523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 226, 57) }
```

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

```
.background{ background-color: rgb(102,  
226, 57) }
```

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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