

# Converting Colors

$Y_{xy}(57.0795, 0.3035, 0.5923)$

Have a look what the booklet for  
Yxy(57.0795, 0.3035, 0.5923)  
contains.

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# Color

**Yxy(57.0686, 0.3035, 0.5923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27E612
RGB	39, 230, 18
RGB Percent	15%, 90%, 7%
CMY	0.8469, 0.0980, 0.9299
CMYK	0.83, 0.00, 0.92, 0.10
HSL	114°, 86%, 49%
HSV	114°, 92%, 90%
XYZ	29.2425, 57.0686, 10.0398
YIQ	148.7230, -45.7840, -106.4240

# Conversions

## Conversions Part 2

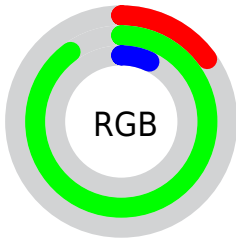
Format	Color
<a href="#">RYB</a>	<a href="#">18, 230, 209</a>
Decimal	<a href="#">2614802</a>
CIELab	<a href="#">80.22, -77.19, 75.54</a>
CIElCh	<a href="#">80, 108.002, 135.620</a>
Yxy	<a href="#">57.0686, 0.3035, 0.5923</a>
Android (android.graphics.Color)	<a href="#">4280804882 (0xFF27E612)</a>
YUV	<a href="#">148.7230, -64.4464, -96.2271</a>
Hunter-Lab	<a href="#">75.5438, -63.1054, 45.0010</a>

# Details

The Yxy color **57.0686, 0.3035, 0.5923** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **19.6739, 0.2976, 0.1437**, and the grayscale version is **30.2211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5037, 0.3166, 0.5282**, and **29.8871, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.7774, 0.3020, 0.5984**, and if you desaturate by 10%, it is **57.7074, 0.3058, 0.5779**.

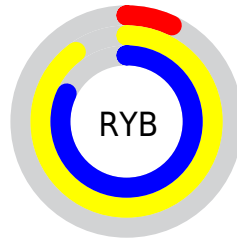
# Distribution



Red (15%)

Green (90%)

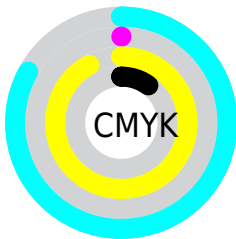
Blue (7%)



Red (7%)

Yellow (90%)

Blue (82%)

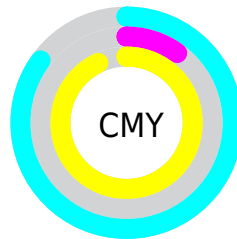


Cyan (83%)

Magenta (0%)

Yellow (92%)

Black (10%)



Cyan (85%)

Magenta (10%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.0686, 0.3035, 0.5923 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 57.0686, 0.3035, 0.5923 by changing the saturation by 10% instead.



 57.0686, 0.3035,  
0.5923

 57.0686, 0.3035,  
0.5923


413.7063, 0.3206,  
0.4569


 41.0603, 0.2950,  
0.6241


 100.5653, 0.3129,  
0.5439


 28.3662, 0.2820,  
0.6626


 128.8225, 0.3155,  
0.5253


 18.6019, 0.2616,  
0.7089


 161.9314, 0.3173,  
0.5095

 11.3830, 0.2312,  
0.7688

 200.2765, 0.3185,  
0.4960

 6.3251, 0.1793,  
0.8207

 244.2421, 0.3194,  
0.4842

 3.0437, 0.0739,  
0.9261

 294.2127, 0.3200,

 1.1546, 0.0000,

0.4739

1.0000

350.5727, 0.3204,  
0.4649

■ 0.0242, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.0686, 0.3035,  
0.5923

■ 57.0686, 0.3035,  
0.5923

■ 56.7774, 0.3020,  
0.5984


■ 57.7074, 0.3058,  
0.5779


■ 58.6892, 0.3081,  
0.5553


■ 60.0570, 0.3100,  
0.5260

■ 61.8456, 0.3115,  
0.4926

 64.0860, 0.3125,  
0.4575

 66.8061, 0.3131,  
0.4230

 70.0319, 0.3133,  
0.3905

 73.7870, 0.3131,  
0.3608

 78.0940, 0.3128,  
0.3344

# Harmonies

## Analogous

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



57.0686, 0.4197, 0.5492



57.0686, 0.3035, 0.5923



57.0686, 0.1949, 0.4905

# Triad

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



57.0686, 0.3035, 0.5923



57.0686, 0.1197, 0.1539



57.0686, 0.5359, 0.2881

# Complementary

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



57.0686, 0.3035, 0.5923



19.6739, 0.2976, 0.1437

# 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.



57.0686, 0.4081, 0.2187



57.0686, 0.3035, 0.5923



57.0686, 0.1699, 0.1459

# Square

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



57.0686, 0.3035, 0.5923



57.0686, 0.1051, 0.2022



57.0686, 0.2669, 0.1683



57.0686, 0.5738, 0.3654



# Rectangle

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



57.0686, 0.3035, 0.5923



57.0686, 0.1433, 0.3708



57.0686, 0.2669, 0.1683



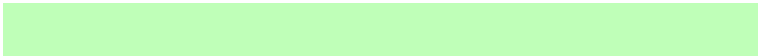
57.0686, 0.5005, 0.2638

# Sweetspot

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



57.0710, 0.3035, 0.5923



86.0044, 0.3132, 0.4094



62.3649, 0.4351, 0.4890



18.0486, 0.3131, 0.4239



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.



57.0710, 0.3035, 0.5923



71.7323, 0.3018, 0.5986



57.6968, 0.2792, 0.5201



16.1576, 0.3131, 0.3532



32.1669, 0.3024, 0.5981



2.4005, 0.3084, 0.5934



# Inverse Universe

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



19.6739, 0.2976, 0.1437



23.9705, 0.2954, 0.1401



19.3009, 0.4423, 0.2248



14.5383, 0.3122, 0.3057



10.7797, 0.2960, 0.1404

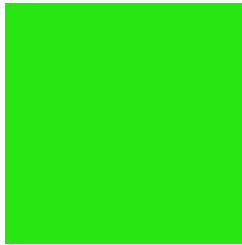


0.8178, 0.2998, 0.1425



# Previews

## White Background



This preview shows how the Yxy color 57.0686, 0.3035, 0.5923 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 57.0686, 0.3035, 0.5923 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 57.0686, 0.3035, 0.5923**

## Background



This preview shows how black text looks on a background with the Yxy color 57.0686, 0.3035, 0.5923.



This preview shows how white text looks on a background with the Yxy color 57.0686, 0.3035, 0.5923.

# 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

57.0686, 0.3035, 0.5923

### Protanopia

55.9178, 0.4399, 0.4889

### Deuteranopia

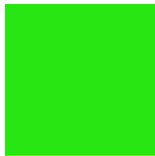
55.5627, 0.4603, 0.4507



## Tritanopia

56.6874, 0.2377, 0.3066

# Trichromacy



## Original Color

57.0686, 0.3035, 0.5923



## Protanomaly

53.0749, 0.3728, 0.5407



## Deuteranomaly

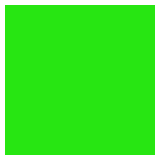
51.5230, 0.3854, 0.5153



## Tritanomaly

55.1486, 0.2686, 0.4286

# Monochromacy



## Original Color

57.0686, 0.3035, 0.5923



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

36.0316, 0.3128, 0.4585

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.0686, 0.3035, 0.5923 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(39, 230, 18)` looks like.

```
.text, #text, p{  
    color:rgb(39, 230, 18)  
}
```

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(39, 230, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 230, 18) }
```

## Border

The CSS property to change the border of an element to Yxy 57.0686, 0.3035, 0.5923 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(39, 230, 18) }
```

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

```
.border{ border-color:rgb(39, 230, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 230, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 230, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 230, 18);  
box-shadow:4px 4px 4px 4px rgb(39, 230,  
18) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.0686, 0.3035, 0.5923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 230, 18) }
```

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

```
.background{ background-color: rgb(39, 230,  
18) }
```

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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