

Converting Colors

$Yxy(57.0737, 0.3018, 0.5386)$

Have a look what the booklet for
Yxy(57.0737, 0.3018, 0.5386)
contains.

Yxy(57.0951, 0.3017, 0.5386)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(57.0951, 0.3017, 0.5386)

Conversions

Conversions Part 1

Format	Color
Hex	4DE350
RGB	77, 227, 80
RGB Percent	30%, 89%, 31%
CMY	0.6978, 0.1098, 0.6862
CMYK	0.66, 0.00, 0.65, 0.11
HSL	121°, 73%, 60%
HSV	121°, 66%, 89%
XYZ	31.9822, 57.0951, 16.9292
YIQ	165.3920, -42.2130, -77.5170

Conversions

Conversions Part 2

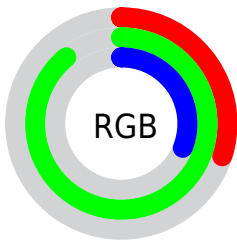
Format	Color
RYB	77, 224, 227
Decimal	5104464
CIELab	80.23, -67.03, 58.37
CIELCh	80, 88.883, 138.947
Yxy	57.0951, 0.3017, 0.5386
Android (android.graphics.Color)	4283294544 (0xFF4DE350)
YUV	165.3920, -42.0983, -77.5198
Hunter-Lab	75.5613, -56.6802, 39.6092

Details

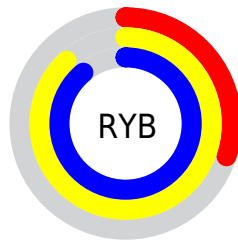
The Yxy color **57.0951, 0.3017, 0.5386** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **27.0309, 0.3228, 0.1826**, and the grayscale version is **38.0573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1089, 0.3099, 0.4764**, and **28.7899, 0.2979, 0.5925** is the 20% darker color. If you saturate the color by 10%, you get **56.0350, 0.3006, 0.5659**, and if you desaturate by 10%, it is **58.5982, 0.3032, 0.5060**.

Distribution



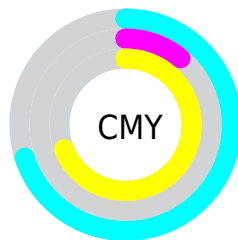
- Red (30%)
- Green (89%)
- Blue (31%)



- Red (30%)
- Yellow (88%)
- Blue (89%)



- Cyan (66%)
- Magenta (0%)
- Yellow (65%)
- Black (11%)





- Cyan (70%)
- Magenta (11%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.0951, 0.3017, 0.5386 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 57.0951, 0.3017, 0.5386 by changing the saturation by 10% instead.

 57.0951, 0.3017,
0.5386


 57.0951, 0.3017,
0.5386


413.8056, 0.3143,
0.4295

 41.0816, 0.2962,
0.5658


 100.6039, 0.3081,
0.4987

 28.3828, 0.2877,
0.6001


 128.8681, 0.3099,
0.4837


 18.6145, 0.2742,
0.6439

 161.9845, 0.3113,
0.4711

 11.3920, 0.2521,
0.7006

 200.3377, 0.3122,
0.4603

 6.3312, 0.2174,
0.7826

 244.3120, 0.3130,
0.4510

 3.0475, 0.1392,
0.8608

294.2918, 0.3135,

 1.1566, 0.0000,

0.4429

1.0000

350.6615, 0.3140,
0.4358

■ 0.0258, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.0951, 0.3017,
0.5386

■ 57.0951, 0.3017,
0.5386

■ 56.0350, 0.3006,
0.5659

■ 58.5982, 0.3032,
0.5060

■ 55.3636, 0.3000,
0.5855


■ 60.5776, 0.3049,
0.4708

■ 55.0250, 0.2998,
0.5966

■ 63.0718, 0.3067,
0.4354

■ 54.9472, 0.2997,
0.5990

■ 66.1131, 0.3085,
0.4019

 69.7313, 0.3102,
0.3712

 73.9542, 0.3118,
0.3439

 78.8076, 0.3133,
0.3200

 83.4174, 0.3140,
0.3019

Harmonies

Analogous

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



57.0951, 0.4037, 0.5273



57.0951, 0.3017, 0.5386



57.0951, 0.2076, 0.4435

Triad

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



57.0951, 0.3017, 0.5386



57.0951, 0.1469, 0.1753



57.0951, 0.5061, 0.3061

Complementary

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



57.0951, 0.3017, 0.5386



27.0309, 0.3228, 0.1826

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.



57.0951, 0.4065, 0.2413



57.0951, 0.3017, 0.5386



57.0951, 0.1975, 0.1699

Square

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



57.0951, 0.3017, 0.5386



57.0951, 0.1306, 0.2166



57.0951, 0.2876, 0.1931



57.0951, 0.5341, 0.3786

Rectangle

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



57.0951, 0.3017, 0.5386



57.0951, 0.1634, 0.3509



57.0951, 0.2876, 0.1931



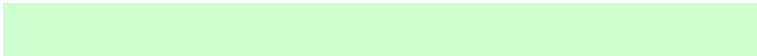
57.0951, 0.4790, 0.2833

Sweetspot

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



57.0975, 0.3017, 0.5386



88.7656, 0.3096, 0.3833



71.4014, 0.4013, 0.4799



18.7166, 0.3091, 0.3921



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.



57.0975, 0.3017, 0.5386



72.5927, 0.3003, 0.5736



58.8686, 0.2687, 0.4344



16.0938, 0.3113, 0.3528



32.0479, 0.2996, 0.5987



2.3699, 0.2986, 0.5950

Inverse Universe

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



27.0309, 0.3228, 0.1826



30.8226, 0.3243, 0.1667



23.8343, 0.4199, 0.2514



14.6101, 0.3141, 0.3063



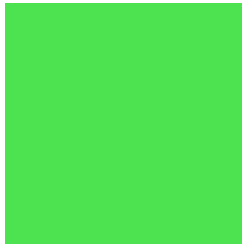
12.6181, 0.3259, 0.1569



0.9340, 0.3251, 0.1565

Previews

White Background



This preview shows how the Yxy color 57.0951, 0.3017, 0.5386 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 57.0951, 0.3017, 0.5386 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 57.0951, 0.3017, 0.5386

Background



This preview shows how black text looks on a background with the Yxy color 57.0951, 0.3017, 0.5386.



This preview shows how white text looks on a background with the Yxy color 57.0951, 0.3017, 0.5386.

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

57.0951, 0.3017, 0.5386

Protanopia

56.0717, 0.4197, 0.4626

Deuteranopia

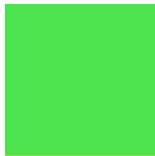
55.9722, 0.4365, 0.4269



Tritanopia

56.5131, 0.2435, 0.3056

Trichromacy



Original Color

57.0951, 0.3017, 0.5386



Protanomaly

54.4338, 0.3666, 0.4962



Deuteranomaly

53.0129, 0.3765, 0.4706



Tritanomaly

55.5456, 0.2662, 0.3888

Monochromacy



Original Color

57.0951, 0.3017, 0.5386



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

42.6742, 0.3081, 0.4114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0951, 0.3017, 0.5386 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(77, 227, 80)` looks like.

```
.text, #text, p{  
  color:rgb(77, 227, 80)  
}
```

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(77, 227, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 227, 80) }
```

Border

The CSS property to change the border of an element to Yxy 57.0951, 0.3017, 0.5386 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(77, 227, 80) }
```

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

```
.border{ border-color:rgb(77, 227, 80) }
```

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

Here you see how a box with a 4 pixel rgb(77, 227, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 227, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 227, 80);  
box-shadow:4px 4px 4px 4px rgb(77, 227,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0951, 0.3017, 0.5386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 227, 80) }
```

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

```
.background{ background-color: rgb(77, 227,  
80) }
```

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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