

Converting Colors

$Y_{xy}(56.7849, 0.2918, 0.5575)$

Have a look what the booklet for
Yxy(56.7849, 0.2918, 0.5575)
contains.

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Color

Yxy(56.7849, 0.2918, 0.5575)

Conversions

Conversions Part 1

Format	Color
Hex	1FE547
RGB	31, 229, 71
RGB Percent	12%, 90%, 28%
CMY	0.8783, 0.1019, 0.7217
CMYK	0.86, 0.00, 0.69, 0.10
HSL	132°, 79%, 51%
HSV	132°, 86%, 90%
XYZ	29.7217, 56.7849, 15.3497
YIQ	151.7860, -67.2900, -91.1140

Conversions

Conversions Part 2

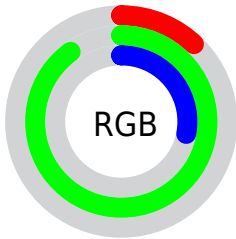
Format	Color
R_{YB}	31, 196, 229
Decimal	2090311
CIE _{Lab}	80.06, -74.67, 61.53
CIE _{LCh}	80, 96.753, 140.511
Yxy	56.7849, 0.2918, 0.5575
Android (android.graphics.Color)	4280280391 (0xFF1FE547)
YUV	151.7860, -39.8275, -105.9293
Hunter-Lab	75.3558, -61.4689, 40.6718

Details

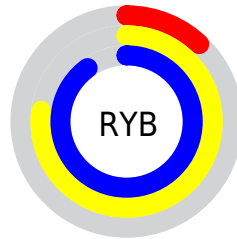
The Yxy color **56.7849, 0.2918, 0.5575** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **21.3177, 0.3704, 0.1880**, and the grayscale version is **31.5036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8342, 0.3004, 0.4919**, and **29.5050, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.3475, 0.2941, 0.5762**, and if you desaturate by 10%, it is **57.5489, 0.2907, 0.5335**.

Distribution



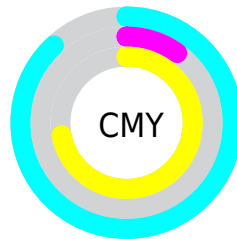
- Red (12%)
- Green (90%)
- Blue (28%)



- Red (12%)
- Yellow (77%)
- Blue (90%)



- Cyan (86%)
- Magenta (0%)
- Yellow (69%)
- Black (10%)




- Cyan (88%)
- Magenta (10%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7849, 0.2918, 0.5575 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 56.7849, 0.2918, 0.5575 by changing the saturation by 10% instead.


 56.7849, 0.2918,
0.5575

 56.7849, 0.2918,
0.5575


412.6428, 0.3104,
0.4379

 40.8326, 0.2844,
0.5873


 100.1513, 0.3006,
0.5137


 28.1883, 0.2735,
0.6248


 128.3341, 0.3033,
0.4972


 18.4676, 0.2566,
0.6723


 161.3625, 0.3053,
0.4834

 11.2862, 0.2305,
0.7351

 199.6210, 0.3069,
0.4716

 6.2597, 0.1875,
0.8125

 243.4938, 0.3081,
0.4614

 3.0036, 0.0874,
0.9126

293.3655, 0.3091,

 1.1336, 0.0000,

0.4525

1.0000

349.6204, 0.3098,
0.4447

■ 0.0065, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7849, 0.2918,
0.5575

■ 56.7849, 0.2918,
0.5575

■ 56.3475, 0.2941,
0.5762


■ 57.5489, 0.2907,
0.5335


■ 56.2396, 0.2949,
0.5815


■ 58.6846, 0.2908,
0.5057


■ 60.2368, 0.2923,
0.4758

■ 62.2417, 0.2948,
0.4456

 64.7317, 0.2981,
0.4163

 67.7361, 0.3019,
0.3890

 71.2819, 0.3059,
0.3641

 75.3942, 0.3101,
0.3419

 80.0966, 0.3142,
0.3223

Harmonies

Analogous

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



56.7849, 0.4005, 0.5445



56.7849, 0.2918, 0.5575



56.7849, 0.1936, 0.4471

Triad

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



56.7849, 0.2918, 0.5575



56.7849, 0.1383, 0.1637



56.7849, 0.5265, 0.3059

Complementary

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



56.7849, 0.2918, 0.5575



21.3177, 0.3704, 0.1880

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.



56.7849, 0.4211, 0.2378



56.7849, 0.2918, 0.5575



56.7849, 0.1930, 0.1604

Square

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



56.7849, 0.2918, 0.5575



56.7849, 0.1194, 0.2036



56.7849, 0.2910, 0.1862



56.7849, 0.5496, 0.3816

Rectangle

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



56.7849, 0.2918, 0.5575



56.7849, 0.1493, 0.3437



56.7849, 0.2910, 0.1862



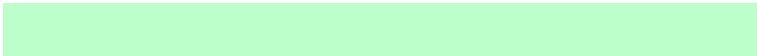
56.7849, 0.4988, 0.2822

Sweetspot

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



56.7872, 0.2918, 0.5575



86.5683, 0.3020, 0.3882



67.0113, 0.3856, 0.5235



18.2253, 0.3006, 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.



56.7872, 0.2918, 0.5575



71.7629, 0.2951, 0.5823



59.2204, 0.2514, 0.4158



16.1365, 0.3088, 0.3483



32.1676, 0.2943, 0.5793



2.3902, 0.2870, 0.5531

Inverse Universe

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



21.3177, 0.3704, 0.1880



25.5985, 0.3809, 0.1872



18.3861, 0.5371, 0.2849



14.5628, 0.3169, 0.3104



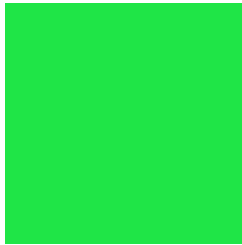
11.4920, 0.3794, 0.1864



0.8619, 0.3693, 0.1808

Previews

White Background



This preview shows how the Yxy color 56.7849, 0.2918, 0.5575 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 56.7849, 0.2918, 0.5575 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 56.7849, 0.2918, 0.5575

Background



This preview shows how black text looks on a background with the Yxy color 56.7849, 0.2918, 0.5575.

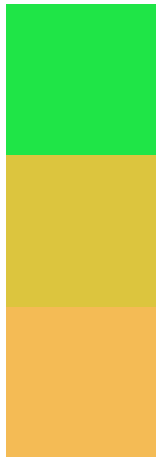


This preview shows how white text looks on a background with the Yxy color 56.7849, 0.2918, 0.5575.

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

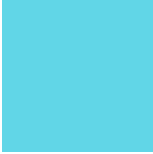
56.7849, 0.2918, 0.5575

Protanopia

55.4959, 0.4250, 0.4685

Deuteranopia

55.4296, 0.4416, 0.4315



Tritanopia

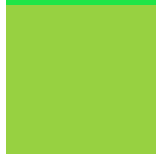
56.4040, 0.2359, 0.3065

Trichromacy



Original Color

56.7849, 0.2918, 0.5575



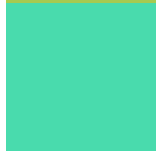
Protanomaly

52.5619, 0.3570, 0.5138



Deuteranomaly

51.0357, 0.3669, 0.4863



Tritanomaly

55.0966, 0.2563, 0.3963

Monochromacy



Original Color

56.7849, 0.2918, 0.5575



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

37.2607, 0.2967, 0.4239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7849, 0.2918, 0.5575 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(31, 229, 71)` looks like.

```
.text, #text, p{  
    color:rgb(31, 229, 71)  
}
```

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(31, 229, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 229, 71) }
```

Border

The CSS property to change the border of an element to Yxy 56.7849, 0.2918, 0.5575 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(31, 229, 71) }
```

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

```
.border{ border-color:rgb(31, 229, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 229, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 229, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 229, 71);  
box-shadow:4px 4px 4px 4px rgb(31, 229,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7849, 0.2918, 0.5575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 229, 71) }
```

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

```
.background{ background-color: rgb(31, 229,  
71) }
```

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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