

Converting Colors

$Y_{xy}(56.2401, 0.2987, 0.5955)$

Have a look what the booklet for
Yxy(56.2401, 0.2987, 0.5955)
contains.

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Color

Yxy(56.0856, 0.2988, 0.5955)

Conversions

Conversions Part 1

Format	Color
Hex	01E513
RGB	1, 229, 19
RGB Percent	0%, 90%, 7%
CMY	0.9977, 0.1020, 0.9257
CMYK	1.00, 0.00, 0.92, 0.10
HSL	125°, 99%, 45%
HSV	125°, 100%, 90%
XYZ	28.1417, 56.0856, 9.9551
YIQ	136.8880, -68.4780, -113.6460

Conversions

Conversions Part 2

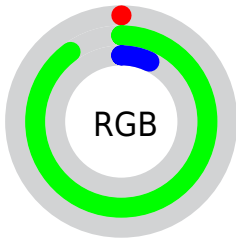
Format	Color
RYB	1, 212, 229
Decimal	124179
CIELab	79.66, -79.09, 74.84
CIElCh	80, 108.880, 136.582
Yxy	56.0856, 0.2988, 0.5955
Android (android.graphics.Color)	4278314259 (0xFF01E513)
YUV	136.8880, -58.1188, -119.1738
Hunter-Lab	74.8903, -63.9827, 44.5419

Details

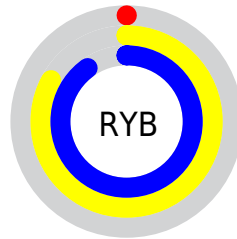
The Yxy color **56.0856, 0.2988, 0.5955** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **21.3550, 0.3425, 0.1661**, and the grayscale version is **25.1617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8034, 0.3118, 0.5311**, and **29.5050, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.0824, 0.2988, 0.5957**, and if you desaturate by 10%, it is **56.3784, 0.2980, 0.5841**.

Distribution



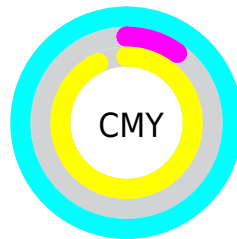
- Red (0%)
- Green (90%)
- Blue (7%)



- Red (0%)
- Yellow (83%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (92%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0856, 0.2988, 0.5955 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 56.0856, 0.2988, 0.5955 by changing the saturation by 10% instead.

 56.0856, 0.2988,
0.5955


 56.0856, 0.2988,
0.5955


410.0140, 0.3183,
0.4576

 40.2716, 0.2897,
0.6282

 99.1297, 0.3091,
0.5460


 27.7503, 0.2759,
0.6678


 127.1286, 0.3120,
0.5270

 18.1375, 0.2545,
0.7157


 159.9579, 0.3141,
0.5110

 11.0488, 0.2226,
0.7774

 198.0019, 0.3155,
0.4972

 6.0997, 0.1691,
0.8309

 241.6452, 0.3166,
0.4852

 2.9058, 0.0454,
0.9546

 291.2720, 0.3174,

 1.0827, 0.0000,

0.4748

1.0000

347.2668, 0.3179,
0.4657

■ 0.0000, 0.0000,
0.0000

■ 56.0856, 0.2988,
0.5955

■ 56.0856, 0.2988,
0.5955

■ 56.0824, 0.2988,
0.5957

■ 56.3784, 0.2980,
0.5841

■ 56.9646, 0.2977,
0.5651

■ 57.9238, 0.2980,
0.5391

■ 59.3047, 0.2991,
0.5082

■ 61.1487, 0.3009,
0.4747

■ 63.4922, 0.3030,
0.4410

■ 66.3679, 0.3054,
0.4086

■ 69.8058, 0.3079,
0.3788

■ 73.8336, 0.3104,
0.3520

Harmonies

Analogous

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



56.0856, 0.4162, 0.5539



56.0856, 0.2988, 0.5955



56.0856, 0.1902, 0.4875

Triad

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



56.0856, 0.2988, 0.5955



56.0856, 0.1190, 0.1513



56.0856, 0.5417, 0.2897

Complementary

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



56.0856, 0.2988, 0.5955



21.3550, 0.3425, 0.1661

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.



56.0856, 0.4141, 0.2194



56.0856, 0.2988, 0.5955



56.0856, 0.1708, 0.1445

Square

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



56.0856, 0.2988, 0.5955



56.0856, 0.1033, 0.1981



56.0856, 0.2702, 0.1680



56.0856, 0.5761, 0.3675

Rectangle

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



56.0856, 0.2988, 0.5955



56.0856, 0.1394, 0.3654



56.0856, 0.2702, 0.1680



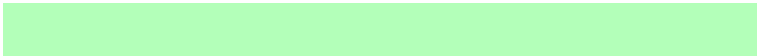
56.0856, 0.5069, 0.2651

Sweetspot

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



56.0879, 0.2988, 0.5955



84.5323, 0.3053, 0.4100



70.3002, 0.4075, 0.5145



17.7447, 0.3043, 0.4235



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.



56.0879, 0.2988, 0.5955



71.5723, 0.2989, 0.5961



57.6532, 0.2665, 0.4794



16.1079, 0.3105, 0.3513



32.0728, 0.2985, 0.5946



2.3766, 0.2945, 0.5803

Inverse Universe

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



21.3550, 0.3425, 0.1661



27.2292, 0.3427, 0.1661



17.5818, 0.5266, 0.2676



14.5942, 0.3150, 0.3077



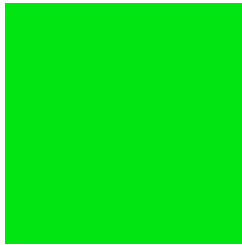
12.2100, 0.3421, 0.1658



0.9082, 0.3387, 0.1640

Previews

White Background



This preview shows how the Yxy color 56.0856, 0.2988, 0.5955 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 56.0856, 0.2988, 0.5955 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

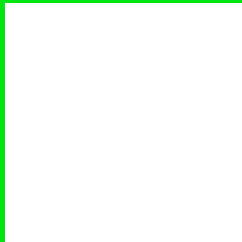
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.0856, 0.2988, 0.5955

Background



This preview shows how black text looks on a background with the Yxy color 56.0856, 0.2988, 0.5955.



This preview shows how white text looks on a background with the Yxy color 56.0856, 0.2988, 0.5955.

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

56.0921, 0.2988, 0.5955

Protanopia

54.8520, 0.4410, 0.4881

Deuteranopia

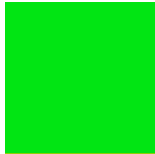
54.9586, 0.4604, 0.4503



Tritanopia

55.7885, 0.2356, 0.3064

Trichromacy



Original Color

56.0921, 0.2988, 0.5955



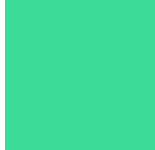
Protanomaly

50.7898, 0.3626, 0.5485



Deuteranomaly

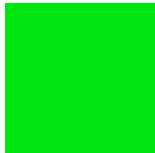
49.5624, 0.3740, 0.5235



Tritanomaly

53.9550, 0.2624, 0.4290

Monochromacy



Original Color

56.0921, 0.2988, 0.5955



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

31.5838, 0.3010, 0.4677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0856, 0.2988, 0.5955 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(1, 229, 19)` looks like.

```
.text, #text, p{  
    color:rgb(1, 229, 19)  
}
```

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(1, 229, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 229, 19) }
```

Border

The CSS property to change the border of an element to Yxy 56.0856, 0.2988, 0.5955 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(1, 229, 19) }
```

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

```
.border{ border-color:rgb(1, 229, 19) }
```

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

Here you see how a box with a 4 pixel rgb(1, 229, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 229, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 229, 19);  
box-shadow:4px 4px 4px 4px rgb(1, 229, 19)  
}
```


Background

The CSS property to change the background color of an element to Yxy 56.0856, 0.2988, 0.5955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 229, 19) }
```

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

```
.background{ background-color: rgb(1, 229,  
19) }
```

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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