

Converting Colors

$Y_{xy}(56.3321, 0.2996, 0.5984)$

Have a look what the booklet for
Yxy(56.3321, 0.2996, 0.5984)
contains.

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Color

Yxy(56.0626, 0.2996, 0.5983)

Conversions

Conversions Part 1

Format	Color
Hex	01E508
RGB	1, 229, 8
RGB Percent	0%, 90%, 3%
CMY	0.9967, 0.1019, 0.9691
CMYK	1.00, 0.00, 0.97, 0.10
HSL	122°, 99%, 45%
HSV	122°, 100%, 90%
XYZ	28.0735, 56.0626, 9.5671
YIQ	135.6340, -64.9470, -117.0670

Conversions

Conversions Part 2

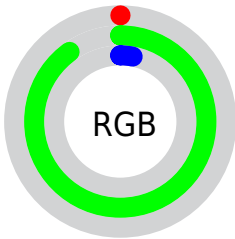
Format	Color
RYB	1, 222, 229
Decimal	124168
CIELab	79.65, -79.30, 76.00
CIELCh	80, 109.837, 136.217
Yxy	56.0626, 0.2996, 0.5983
Android (android.graphics.Color)	4278314248 (0xFF01E508)
YUV	135.6340, -62.9236, -118.0740
Hunter-Lab	74.8750, -64.1048, 44.8367

Details

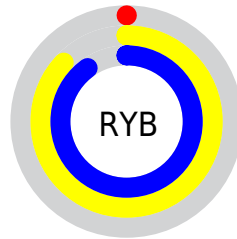
The Yxy color **56.0626, 0.2996, 0.5983** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **21.9487, 0.3289, 0.1586**, and the grayscale version is **24.7113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7520, 0.3128, 0.5340**, and **29.5050, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.0578, 0.2996, 0.5985**, and if you desaturate by 10%, it is **56.3274, 0.2996, 0.5895**.

Distribution



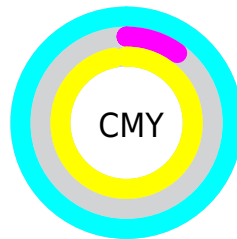
- Red (0%)
- Green (90%)
- Blue (3%)



- Red (0%)
- Yellow (87%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0626, 0.2996, 0.5983 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 56.0626, 0.2996, 0.5983 by changing the saturation by 10% instead.

 56.0626, 0.2996,
0.5983


 56.0626, 0.2996,
0.5983


409.9274, 0.3191,
0.4592


 40.2531, 0.2904,
0.6311


 99.0961, 0.3100,
0.5485


 27.7360, 0.2763,
0.6706


 127.0889, 0.3129,
0.5294

 18.1267, 0.2547,
0.7187


 159.9116, 0.3150,
0.5131

 11.0410, 0.2219,
0.7781

 197.9486, 0.3164,
0.4992

 6.0944, 0.1682,
0.8318

 241.5843, 0.3175,
0.4872

 2.9026, 0.0434,
0.9566

 291.2030, 0.3182,

 1.0811, 0.0000,

0.4766

1.0000

347.1893, 0.3188,
0.4674

■ 0.0000, 0.0000,
0.0000

■ 56.0626, 0.2996,
0.5983

■ 56.0626, 0.2996,
0.5983

■ 56.0578, 0.2996,
0.5985


■ 56.3274, 0.2996,
0.5895


■ 56.8883, 0.2999,
0.5724


■ 57.8278, 0.3007,
0.5474

■ 59.1968, 0.3020,
0.5164

■ 61.0383, 0.3036,
0.4819

 63.3902, 0.3055,
0.4467

 66.2865, 0.3074,
0.4127

 69.7583, 0.3093,
0.3812

 73.8344, 0.3111,
0.3530

Harmonies

Analogous

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



56.0626, 0.4176, 0.5541



56.0626, 0.2996, 0.5983



56.0626, 0.1902, 0.4913

Triad

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



56.0626, 0.2996, 0.5983



56.0626, 0.1175, 0.1505



56.0626, 0.5425, 0.2882

Complementary

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



56.0626, 0.2996, 0.5983



21.9487, 0.3289, 0.1586

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.



56.0626, 0.4130, 0.2179



56.0626, 0.2996, 0.5983



56.0626, 0.1689, 0.1433

Square

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



56.0626, 0.2996, 0.5983



56.0626, 0.1021, 0.1980



56.0626, 0.2683, 0.1665



56.0626, 0.5781, 0.3661

Rectangle

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



56.0626, 0.2996, 0.5983



56.0626, 0.1389, 0.3677



56.0626, 0.2683, 0.1665



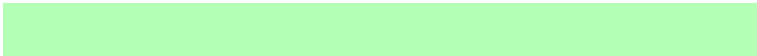
56.0626, 0.5071, 0.2636

Sweetspot

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



56.0649, 0.2996, 0.5983



84.3749, 0.3073, 0.4145



72.0844, 0.4163, 0.5075



17.7090, 0.3065, 0.4287



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.



56.0649, 0.2996, 0.5983



71.5373, 0.2996, 0.5987



57.3729, 0.2714, 0.4967



16.0963, 0.3112, 0.3525



32.0522, 0.2994, 0.5980



2.3711, 0.2978, 0.5922

Inverse Universe

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



21.9487, 0.3289, 0.1586



27.9827, 0.3289, 0.1586



17.8275, 0.5051, 0.2558



14.6071, 0.3143, 0.3066



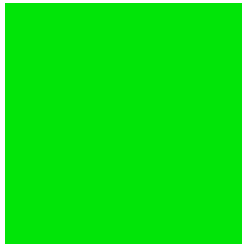
12.5407, 0.3288, 0.1585



0.9292, 0.3275, 0.1578

Previews

White Background



This preview shows how the Yxy color 56.0626, 0.2996, 0.5983 looks on a white background.

Color Contrast Check

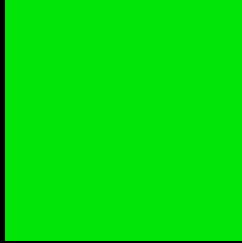
Large Text (above 18pt) WCAG AA × Fail

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 56.0626, 0.2996, 0.5983 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

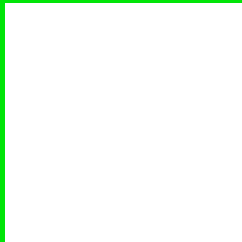
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.0626, 0.2996, 0.5983

Background



This preview shows how black text looks on a background with the Yxy color 56.0626, 0.2996, 0.5983.



This preview shows how white text looks on a background with the Yxy color 56.0626, 0.2996, 0.5983.

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

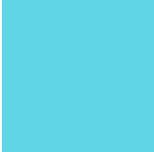
56.0626, 0.2996, 0.5983

Protanopia

54.8520, 0.4410, 0.4881

Deuteranopia

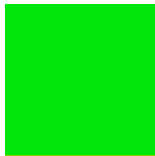
54.9409, 0.4611, 0.4513



Tritanopia

55.7885, 0.2356, 0.3064

Trichromacy



Original Color

56.0626, 0.2996, 0.5983



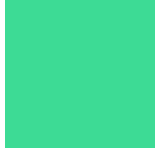
Protanomaly

50.7810, 0.3629, 0.5492



Deuteranomaly

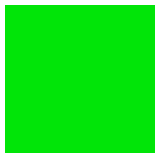
49.5305, 0.3752, 0.5261



Tritanomaly

53.8251, 0.2644, 0.4355

Monochromacy



Original Color

56.0626, 0.2996, 0.5983



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

31.4970, 0.3043, 0.4767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0626, 0.2996, 0.5983 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, 8)` looks like.

```
.text, #text, p{  
    color:rgb(1, 229, 8)  
}
```

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, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 229, 8) }
```

Border

The CSS property to change the border of an element to Yxy 56.0626, 0.2996, 0.5983 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, 8) }
```

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

```
.border{ border-color:rgb(1, 229, 8) }
```

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, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 229, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 229, 8); box-shadow:4px  
4px 4px 4px rgb(1, 229, 8) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0626, 0.2996, 0.5983 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, 8) }
```

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

```
.background{ background-color: rgb(1, 229,  
8) }
```

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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