

Converting Colors

Yxy(56.6168, 0.2963, 0.5817)

Have a look what the booklet for
Yxy(56.6168, 0.2963, 0.5817)
contains.

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Color

Yxy(56.8932, 0.2963, 0.5816)

Conversions

Conversions Part 1

Format	Color
Hex	10E62D
RGB	16, 230, 45
RGB Percent	6%, 90%, 18%
CMY	0.9375, 0.0980, 0.8232
CMYK	0.93, 0.00, 0.80, 0.10
HSL	128°, 87%, 48%
HSV	128°, 93%, 90%
XYZ	28.9846, 56.8932, 11.9441
YIQ	144.9240, -68.1590, -102.9030

Conversions

Conversions Part 2

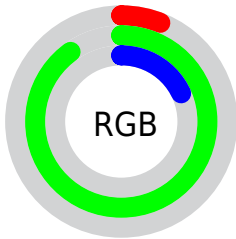
Format	Color
RYB	16, 204, 230
Decimal	1107501
CIELab	80.12, -77.76, 69.98
CIElCh	80, 104.615, 138.013
Yxy	56.8932, 0.2963, 0.5816
Android (android.graphics.Color)	4279297581 (0xFF10E62D)
YUV	144.9240, -49.2625, -113.0663
Hunter-Lab	75.4276, -63.4059, 43.4107

Details

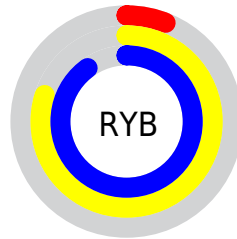
The Yxy color **56.8932, 0.2963, 0.5816** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **21.4035, 0.3560, 0.1758**, and the grayscale version is **28.5059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2054, 0.3078, 0.5163**, and **29.8871, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.6963, 0.2974, 0.5906**, and if you desaturate by 10%, it is **57.4072, 0.2950, 0.5629**.

Distribution



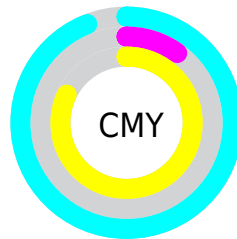
- Red (6%)
- Green (90%)
- Blue (18%)



- Red (6%)
- Yellow (80%)
- Blue (90%)



- Cyan (93%)
- Magenta (0%)
- Yellow (80%)
- Black (10%)




- Cyan (94%)
- Magenta (10%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8932, 0.2963, 0.5816 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 56.8932, 0.2963, 0.5816 by changing the saturation by 10% instead.


 56.8932, 0.2963,
0.5816

 56.8932, 0.2963,
0.5816


413.0490, 0.3152,
0.4503

 40.9195, 0.2880,
0.6133


 100.3093, 0.3059,
0.5341


 28.2562, 0.2754,
0.6524


 128.5206, 0.3087,
0.5161


 18.5189, 0.2559,
0.7002


 161.5798, 0.3107,
0.5008

 11.3231, 0.2289,
0.7711

 199.8713, 0.3122,
0.4877

 6.2846, 0.1766,
0.8234

 243.7796, 0.3133,
0.4765

 3.0189, 0.0676,
0.9324

293.6891, 0.3141,

 1.1416, 0.0000,

0.4666

1.0000

349.9841, 0.3148,
0.4580

■ 0.0132, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8932, 0.2963,
0.5816

■ 56.8932, 0.2963,
0.5816

■ 56.6963, 0.2974,
0.5906

■ 57.4072, 0.2950,
0.5629


■ 58.2713, 0.2947,
0.5380


■ 59.5383, 0.2953,
0.5086


■ 61.2503, 0.2970,
0.4768

 63.4440, 0.2993,
0.4445

 66.1522, 0.3022,
0.4135

 69.4051, 0.3053,
0.3847

 73.2301, 0.3086,
0.3586

 77.6532, 0.3118,
0.3355

Harmonies

Analogous

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



56.8932, 0.4105, 0.5512



56.8932, 0.2963, 0.5816



56.8932, 0.1914, 0.4717

Triad

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



56.8932, 0.2963, 0.5816



56.8932, 0.1260, 0.1558



56.8932, 0.5363, 0.2958

Complementary

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



56.8932, 0.2963, 0.5816



21.4035, 0.3560, 0.1758

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.



56.8932, 0.4171, 0.2263



56.8932, 0.2963, 0.5816



56.8932, 0.1790, 0.1503

Square

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



56.8932, 0.2963, 0.5816



56.8932, 0.1091, 0.2000



56.8932, 0.2781, 0.1747



56.8932, 0.5663, 0.3730

Rectangle

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



56.8932, 0.2963, 0.5816



56.8932, 0.1430, 0.3567



56.8932, 0.2781, 0.1747



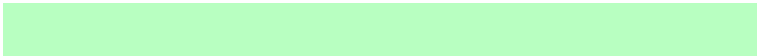
56.8932, 0.5042, 0.2716

Sweetspot

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



56.8956, 0.2963, 0.5816



85.5255, 0.3037, 0.3990



69.1148, 0.3962, 0.5205



17.9390, 0.3024, 0.4118



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.



56.8956, 0.2963, 0.5816



71.6396, 0.2975, 0.5911



58.9566, 0.2583, 0.4461



16.1209, 0.3097, 0.3499



32.1073, 0.2969, 0.5889



2.3829, 0.2909, 0.5674

Inverse Universe

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



21.4035, 0.3560, 0.1758



26.4428, 0.3594, 0.1753



18.0087, 0.5347, 0.2762



14.5797, 0.3159, 0.3089



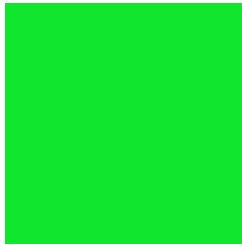
11.8641, 0.3585, 0.1748



0.8861, 0.3522, 0.1714

Previews

White Background



This preview shows how the Yxy color 56.8932, 0.2963, 0.5816 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 56.8932, 0.2963, 0.5816 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

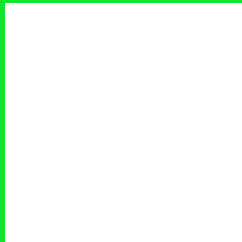
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.8932, 0.2963, 0.5816

Background



This preview shows how black text looks on a background with the Yxy color 56.8932, 0.2963, 0.5816.



This preview shows how white text looks on a background with the Yxy color 56.8932, 0.2963, 0.5816.

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

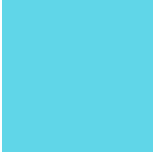
56.8932, 0.2963, 0.5816

Protanopia

55.4382, 0.4344, 0.4805

Deuteranopia

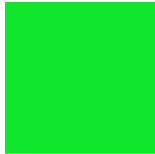
55.5268, 0.4535, 0.4436



Tritanopia

56.4061, 0.2351, 0.3053

Trichromacy



Original Color

56.8932, 0.2963, 0.5816



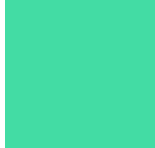
Protanomaly

51.8651, 0.3609, 0.5343



Deuteranomaly

50.6987, 0.3718, 0.5092



Tritanomaly

55.0600, 0.2591, 0.4121

Monochromacy



Original Color

56.8932, 0.2963, 0.5816



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

34.7515, 0.2989, 0.4454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8932, 0.2963, 0.5816 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(16, 230, 45)` looks like.

```
.text, #text, p{  
    color:rgb(16, 230, 45)  
}
```

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(16, 230, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 230, 45) }
```

Border

The CSS property to change the border of an element to Yxy 56.8932, 0.2963, 0.5816 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(16, 230, 45) }
```

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

```
.border{ border-color:rgb(16, 230, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 230, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 230, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 230, 45);  
box-shadow:4px 4px 4px 4px rgb(16, 230,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8932, 0.2963, 0.5816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 230, 45) }
```

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

```
.background{ background-color: rgb(16, 230,  
45) }
```

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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