

Converting Colors

Yxy(63.3833, 0.3260, 0.5750)

Have a look what the booklet for
Yxy(63.3833, 0.3260, 0.5750)
contains.

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Color

Yxy(63.4956, 0.3259, 0.5751)

Conversions

Conversions Part 1

Format	Color
Hex	67ED12
RGB	103, 237, 18
RGB Percent	40%, 93%, 7%
CMY	0.5963, 0.0705, 0.9294
CMYK	0.57, 0.00, 0.92, 0.07
HSL	97°, 86%, 50%
HSV	97°, 92%, 93%
XYZ	35.9819, 63.4956, 10.9304
YIQ	171.9680, -9.5650, -96.5170

Conversions

Conversions Part 2

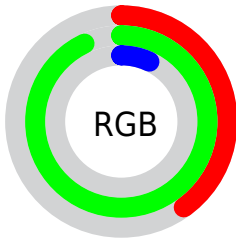
Format	Color
RYB	18, 237, 152
Decimal	6810898
CIELab	83.70, -68.05, 78.95
CIELCh	84, 104.229, 130.759
Yxy	63.4956, 0.3259, 0.5751
Android (android.graphics.Color)	4285000978 (0xFF67ED12)
YUV	171.9680, -75.9062, -60.4849
Hunter-Lab	79.6841, -58.8443, 47.6460

Details

The Yxy color **63.4956, 0.3259, 0.5751** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **13.2284, 0.2316, 0.1077**, and the grayscale version is **41.6270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5436, 0.3409, 0.5112**, and **32.7070, 0.3012, 0.5990** is the 20% darker color. If you saturate the color by 10%, you get **62.8462, 0.3217, 0.5828**, and if you desaturate by 10%, it is **64.5527, 0.3305, 0.5600**.

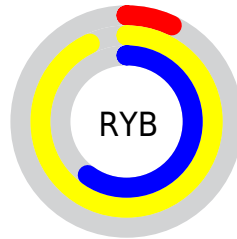
Distribution



Red (40%)

Green (93%)

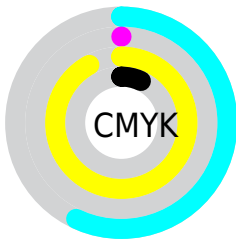
Blue (7%)



Red (7%)

Yellow (93%)

Blue (60%)

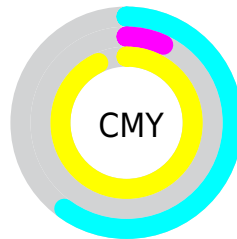


Cyan (57%)

Magenta (0%)

Yellow (92%)

Black (7%)



Cyan (60%)


Magenta (7%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4956, 0.3259, 0.5751 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 63.4956, 0.3259, 0.5751 by changing the saturation by 10% instead.


 63.4956, 0.3259,
0.5751


 63.4956, 0.3259,
0.5751


437.3659, 0.3317,
0.4530


 46.2423, 0.3204,
0.6026


 109.8842, 0.3311,
0.5324


 32.4370, 0.3114,
0.6353


 139.7882, 0.3321,
0.5158


 21.6955, 0.2964,
0.6739


 174.6780, 0.3326,
0.5015

 13.6334, 0.2745,
0.7255

 214.9378, 0.3328,
0.4891

 7.8661, 0.2319,
0.7681

 260.9521, 0.3327,
0.4783

 4.0094, 0.1720,
0.8280

 313.1053, 0.3325,

 1.6788, 0.0000,

0.4688

1.0000

371.7818, 0.3321,
0.4604

■ 0.4099, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.4956, 0.3259,
0.5751

■ 63.4956, 0.3259,
0.5751

■ 62.8462, 0.3217,
0.5828


■ 64.5527, 0.3305,
0.5600


■ 65.8629, 0.3334,
0.5388


■ 67.4512, 0.3345,
0.5123


■ 69.3366, 0.3337,
0.4825

 71.5362, 0.3314,
0.4510

 74.0655, 0.3279,
0.4195

 76.9390, 0.3236,
0.3892

 80.1701, 0.3189,
0.3609

 83.7715, 0.3139,
0.3349

Harmonies

Analogous

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



63.4956, 0.4355, 0.5266



63.4956, 0.3259, 0.5751



63.4956, 0.2185, 0.5016

Triad

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



63.4956, 0.3259, 0.5751



63.4956, 0.1239, 0.1674



63.4956, 0.5063, 0.2806

Complementary

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



63.4956, 0.3259, 0.5751



13.2284, 0.2316, 0.1077

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.



63.4956, 0.3798, 0.2153



63.4956, 0.3259, 0.5751



63.4956, 0.1668, 0.1536

Square

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



63.4956, 0.3259, 0.5751



63.4956, 0.1154, 0.2233



63.4956, 0.2521, 0.1706



63.4956, 0.5597, 0.3550

Rectangle

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



63.4956, 0.3259, 0.5751



63.4956, 0.1634, 0.3955



63.4956, 0.2521, 0.1706



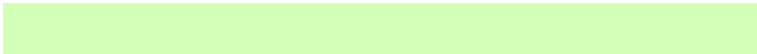
63.4956, 0.4692, 0.2573

Sweetspot

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



63.4983, 0.3259, 0.5751



88.8563, 0.3261, 0.4063



39.6726, 0.5020, 0.4344



18.7153, 0.3279, 0.4196



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.



63.4983, 0.3259, 0.5751



74.1675, 0.3214, 0.5830



60.8554, 0.2976, 0.5858



17.1470, 0.3174, 0.3529



34.3786, 0.3229, 0.5818



2.7536, 0.3337, 0.5733

Inverse Universe

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



13.2284, 0.2316, 0.1077



14.2970, 0.2242, 0.1008



23.3505, 0.3458, 0.1703



15.0052, 0.3076, 0.3053



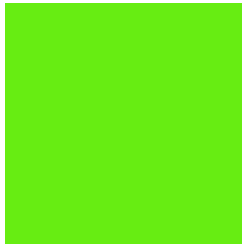
6.7064, 0.2260, 0.1019



0.5818, 0.2390, 0.1090

Previews

White Background



This preview shows how the Yxy color 63.4956, 0.3259, 0.5751 looks on a white background.

Color Contrast Check

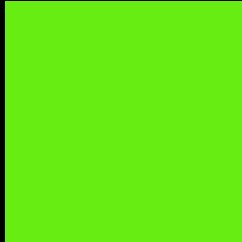
Large Text (above 18pt) WCAG AA × Fail

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 63.4956, 0.3259, 0.5751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

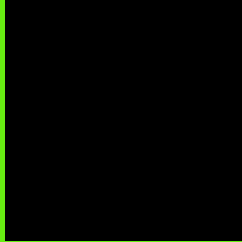
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

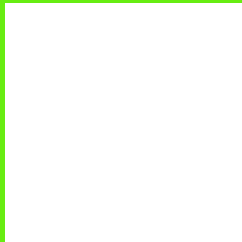
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.4956, 0.3259, 0.5751

Background



This preview shows how black text looks on a background with the Yxy color 63.4956, 0.3259, 0.5751.



This preview shows how white text looks on a background with the Yxy color 63.4956, 0.3259, 0.5751.

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

63.4956, 0.3259, 0.5751

Protanopia

62.6042, 0.4406, 0.4883

Deuteranopia

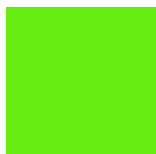
62.3527, 0.4404, 0.4346



Tritanopia

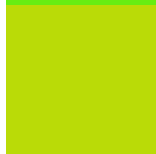
62.8484, 0.2523, 0.3068

Trichromacy



Original Color

63.4956, 0.3259, 0.5751



Protanomaly

61.1175, 0.3922, 0.5254



Deuteranomaly

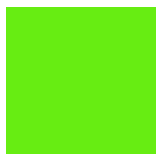
59.7252, 0.3966, 0.4909



Tritanomaly

61.2970, 0.2890, 0.4221

Monochromacy



Original Color

63.4956, 0.3259, 0.5751



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

46.9439, 0.3307, 0.4445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4956, 0.3259, 0.5751 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(103, 237, 18)` looks like.

```
.text, #text, p{  
    color:rgb(103, 237, 18)  
}
```

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(103, 237, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 237, 18) }
```

Border

The CSS property to change the border of an element to Yxy 63.4956, 0.3259, 0.5751 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(103, 237, 18) }
```

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

```
.border{ border-color:rgb(103, 237, 18) }
```

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

Here you see how a box with a 4 pixel rgb(103, 237, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 237, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 237, 18);  
box-shadow:4px 4px 4px 4px rgb(103, 237,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4956, 0.3259, 0.5751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 237, 18) }
```

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

```
.background{ background-color: rgb(103,  
237, 18) }
```

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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