

Converting Colors

Yxy(63.4587, 0.3041, 0.5932)

Have a look what the booklet for
Yxy(63.4587, 0.3041, 0.5932)
contains.

Yxy(63.4587, 0.3041, 0.5932)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.4587, 0.3041, 0.5932)

Conversions

Conversions Part 1

Format	Color
Hex	2BF10F
RGB	43, 241, 15
RGB Percent	17%, 95%, 6%
CMY	0.8322, 0.0549, 0.9410
CMYK	0.82, 0.00, 0.94, 0.05
HSL	113°, 89%, 50%
HSV	113°, 94%, 95%
XYZ	32.5317, 63.4587, 10.9865
YIQ	156.0340, -45.4620, -112.2620

Conversions

Conversions Part 2

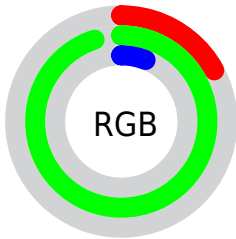
Format	Color
R _Y B	15, 241, 213
Decimal	2879759
CIE Lab	83.68, -79.92, 78.76
CIE LCh	84, 112.203, 135.419
Yxy	63.4587, 0.3041, 0.5932
Android (android.graphics.Color)	4281069839 (0xFF2BF10F)
YUV	156.0340, -69.5298, -99.1308
Hunter-Lab	79.6610, -66.5115, 47.5856

Details

The Yxy color **63.4587, 0.3041, 0.5932** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **20.8777, 0.2916, 0.1397**, and the grayscale version is **33.5705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8223, 0.3183, 0.5260**, and **33.8670, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **63.1876, 0.3026, 0.5979**, and if you desaturate by 10%, it is **64.1529, 0.3068, 0.5800**.

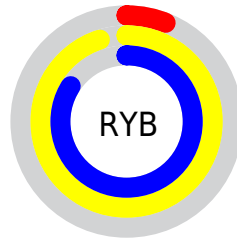
Distribution



Red (17%)

Green (95%)

Blue (6%)



Red (6%)

Yellow (95%)

Blue (84%)

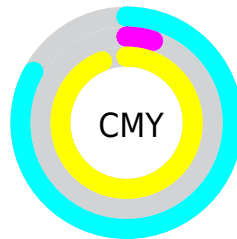


Cyan (82%)

Magenta (0%)

Yellow (94%)

Black (5%)



Cyan (83%)


Magenta (5%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4587, 0.3041, 0.5932 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 63.4587, 0.3041, 0.5932 by changing the saturation by 10% instead.


 63.4587, 0.3041,
0.5932

 63.4587, 0.3041,
0.5932


437.2323, 0.3210,
0.4599


 46.2124, 0.2960,
0.6238


 109.8310, 0.3133,
0.5461


 32.4135, 0.2836,
0.6605


 139.7258, 0.3159,
0.5279

 21.6775, 0.2646,
0.7041


 174.6055, 0.3176,
0.5123

 13.6201, 0.2374,
0.7626

 214.8546, 0.3189,
0.4989

 7.8569, 0.1897,
0.8103

 260.8574, 0.3198,
0.4872

 4.0035, 0.1191,
0.8809

 312.9984, 0.3204,

 1.6755, 0.0000,

0.4769

1.0000

371.6619, 0.3208,
0.4679

■ 0.4077, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.4587, 0.3041,
0.5932

■ 63.4587, 0.3041,
0.5932

■ 63.1876, 0.3026,
0.5979

■ 64.1529, 0.3068,
0.5800

■ 65.2141, 0.3093,
0.5586

■ 66.6889, 0.3114,
0.5303

■ 68.6147, 0.3129,
0.4975

■ 71.0248, 0.3139,
0.4627

■ 73.9493, 0.3142,
0.4281

■ 77.4156, 0.3141,
0.3953

■ 81.4494, 0.3137,
0.3652

■ 86.0748, 0.3130,
0.3383

Harmonies

Analogous

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



63.4587, 0.4205, 0.5490



63.4587, 0.3041, 0.5932



63.4587, 0.1952, 0.4921

Triad

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



63.4587, 0.3041, 0.5932



63.4587, 0.1191, 0.1537



63.4587, 0.5359, 0.2875

Complementary

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



63.4587, 0.3041, 0.5932



20.8777, 0.2916, 0.1397

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.



63.4587, 0.4073, 0.2180



63.4587, 0.3041, 0.5932



63.4587, 0.1692, 0.1455

Square

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



63.4587, 0.3041, 0.5932



63.4587, 0.1048, 0.2024



63.4587, 0.2660, 0.1677



63.4587, 0.5744, 0.3648

Rectangle

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



63.4587, 0.3041, 0.5932



63.4587, 0.1433, 0.3720



63.4587, 0.2660, 0.1677



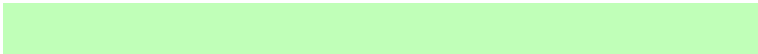
63.4587, 0.5002, 0.2631

Sweetspot

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



63.4613, 0.3041, 0.5932



86.2190, 0.3142, 0.4092



65.2672, 0.4423, 0.4842



18.0981, 0.3142, 0.4236



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.



63.4613, 0.3041, 0.5932



71.8164, 0.3025, 0.5980



63.8992, 0.2825, 0.5332



17.7494, 0.3134, 0.3533



34.2920, 0.3032, 0.5975



2.8825, 0.3094, 0.5925

Inverse Universe

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



20.8777, 0.2916, 0.1397



23.0148, 0.2895, 0.1368



21.5195, 0.4329, 0.2185



15.9271, 0.3118, 0.3056



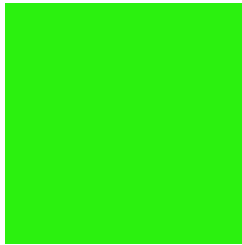
11.0255, 0.2901, 0.1372



0.9446, 0.2944, 0.1396

Previews

White Background



This preview shows how the Yxy color 63.4587, 0.3041, 0.5932 looks on a white background.

Color Contrast Check

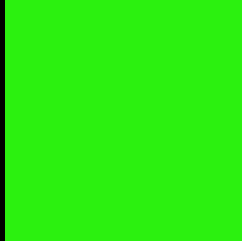
Large Text (above 18pt) WCAG AA × Fail

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 63.4587, 0.3041, 0.5932 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 63.4587, 0.3041, 0.5932

Background



This preview shows how black text looks on a background with the Yxy color 63.4587, 0.3041, 0.5932.



This preview shows how white text looks on a background with the Yxy color 63.4587, 0.3041, 0.5932.

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

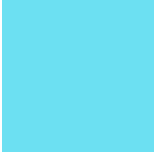
63.4587, 0.3041, 0.5932

Protanopia

61.9493, 0.4407, 0.4883

Deuteranopia

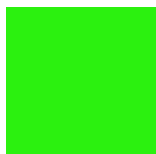
61.8484, 0.4428, 0.4358



Tritanopia

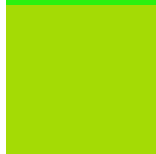
62.9103, 0.2380, 0.3064

Trichromacy



Original Color

63.4587, 0.3041, 0.5932



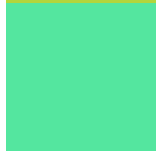
Protanomaly

58.5665, 0.3747, 0.5396



Deuteranomaly

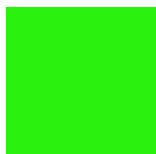
57.3797, 0.3788, 0.5058



Tritanomaly

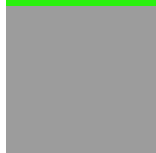
60.9816, 0.2696, 0.4302

Monochromacy



Original Color

63.4587, 0.3041, 0.5932



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

40.2054, 0.3138, 0.4607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4587, 0.3041, 0.5932 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(43, 241, 15)` looks like.

```
.text, #text, p{  
    color:rgb(43, 241, 15)  
}
```

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(43, 241, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 241, 15) }
```

Border

The CSS property to change the border of an element to Yxy 63.4587, 0.3041, 0.5932 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(43, 241, 15) }
```

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

```
.border{ border-color:rgb(43, 241, 15) }
```

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

Here you see how a box with a 4 pixel rgb(43, 241, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 241, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 241, 15);  
box-shadow:4px 4px 4px 4px rgb(43, 241,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4587, 0.3041, 0.5932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 241, 15) }
```

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

```
.background{ background-color: rgb(43, 241,  
15) }
```

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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