

Converting Colors

$Y_{xy}(63.8858, 0.3071, 0.5912)$

Have a look what the booklet for
Yxy(63.8858, 0.3071, 0.5912)
contains.

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Color

Yxy(63.7545, 0.3070, 0.5912)

Conversions

Conversions Part 1

Format	Color
Hex	37F10E
RGB	55, 241, 14
RGB Percent	22%, 95%, 5%
CMY	0.7847, 0.0549, 0.9448
CMYK	0.77, 0.00, 0.94, 0.05
HSL	109°, 89%, 50%
HSV	109°, 94%, 95%
XYZ	33.1066, 63.7545, 10.9780
YIQ	159.5080, -37.9890, -110.0290

Conversions

Conversions Part 2

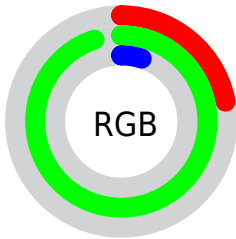
Format	Color
RYB	14, 241, 200
Decimal	3666190
CIELab	83.84, -78.54, 79.05
CIELCh	84, 111.429, 134.814
Yxy	63.7545, 0.3070, 0.5912
Android (android.graphics.Color)	4281856270 (0xFF37F10E)
YUV	159.5080, -71.7354, -91.6535
Hunter-Lab	79.8464, -65.7200, 47.7408

Details

The Yxy color **63.7545, 0.3070, 0.5912** 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 **18.9707, 0.2778, 0.1321**, and the grayscale version is **35.2578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2969, 0.3215, 0.5241**, and **33.8670, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **63.4372, 0.3051, 0.5960**, and if you desaturate by 10%, it is **64.5394, 0.3105, 0.5778**.

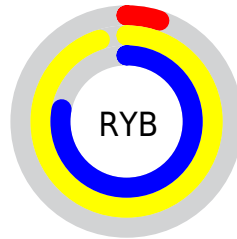
Distribution



Red (22%)

Green (95%)

Blue (5%)



Red (5%)

Yellow (95%)

Blue (78%)

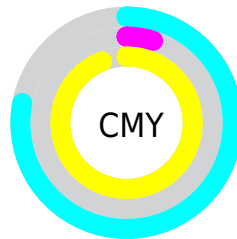


Cyan (77%)

Magenta (0%)

Yellow (94%)

Black (5%)



Cyan (78%)


Magenta (5%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7545, 0.3070, 0.5912 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 63.7545, 0.3070, 0.5912 by changing the saturation by 10% instead.


 63.7545, 0.3070,
0.5912

 63.7545, 0.3070,
0.5912


438.3026, 0.3225,
0.4593


 46.4519, 0.2992,
0.6214

 110.2573, 0.3157,
0.5447


 32.6025, 0.2873,
0.6575


 140.2263, 0.3181,
0.5267


 21.8221, 0.2688,
0.7003


 175.1861, 0.3197,
0.5113

 13.7263, 0.2423,
0.7577

 215.5212, 0.3208,
0.4980

 7.9305, 0.1953,
0.8047

 261.6161, 0.3215,
0.4864

 4.0505, 0.1273,
0.8727

 313.8550, 0.3220,

 1.7019, 0.0000,

0.4762

1.0000

372.6223, 0.3223,
0.4672

■ 0.4249, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7545, 0.3070,
0.5912

■ 63.7545, 0.3070,
0.5912

■ 63.4372, 0.3051,
0.5960

■ 64.5394, 0.3105,
0.5778

■ 65.6693, 0.3136,
0.5566

■ 67.1844, 0.3158,
0.5288

■ 69.1172, 0.3171,
0.4967

■ 71.4964, 0.3175,
0.4626

■ 74.3482, 0.3172,
0.4286

■ 77.6966, 0.3163,
0.3961

■ 81.5640, 0.3150,
0.3662

■ 85.9715, 0.3134,
0.3393

Harmonies

Analogous

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



63.7545, 0.4227, 0.5462



63.7545, 0.3070, 0.5912



63.7545, 0.1981, 0.4939

Triad

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



63.7545, 0.3070, 0.5912



63.7545, 0.1196, 0.1553



63.7545, 0.5322, 0.2865

Complementary

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



63.7545, 0.3070, 0.5912



18.9707, 0.2778, 0.1321

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.



63.7545, 0.4036, 0.2175



63.7545, 0.3070, 0.5912



63.7545, 0.1686, 0.1464

Square

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



63.7545, 0.3070, 0.5912



63.7545, 0.1060, 0.2049



63.7545, 0.2639, 0.1679



63.7545, 0.5729, 0.3635

Rectangle

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



63.7545, 0.3070, 0.5912



63.7545, 0.1457, 0.3753



63.7545, 0.2639, 0.1679



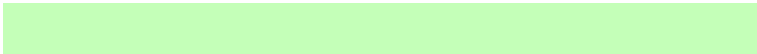
63.7545, 0.4963, 0.2622

Sweetspot

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



63.7572, 0.3070, 0.5912



86.7598, 0.3167, 0.4086



59.7670, 0.4528, 0.4759



18.2234, 0.3171, 0.4227



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.



63.7572, 0.3070, 0.5912



72.0982, 0.3049, 0.5961



63.6804, 0.2864, 0.5474



17.7931, 0.3143, 0.3532



34.4390, 0.3058, 0.5954



2.9032, 0.3136, 0.5892

Inverse Universe

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



18.9707, 0.2778, 0.1321



20.7921, 0.2749, 0.1288



21.8884, 0.4152, 0.2084



15.8792, 0.3109, 0.3055



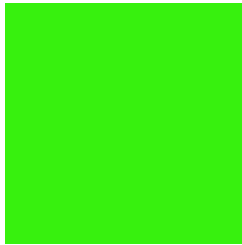
9.9815, 0.2758, 0.1293



0.8675, 0.2820, 0.1327

Previews

White Background



This preview shows how the Yxy color 63.7545, 0.3070, 0.5912 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 63.7545, 0.3070, 0.5912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

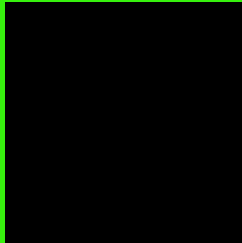
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.7545, 0.3070, 0.5912

Background



This preview shows how black text looks on a background with the Yxy color 63.7545, 0.3070, 0.5912.



This preview shows how white text looks on a background with the Yxy color 63.7545, 0.3070, 0.5912.

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

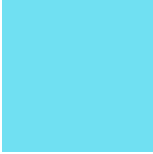
63.7545, 0.3070, 0.5912

Protanopia

61.9493, 0.4407, 0.4883

Deuteranopia

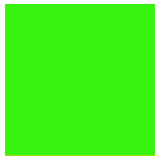
62.3527, 0.4404, 0.4346



Tritanopia

63.1669, 0.2395, 0.3064

Trichromacy



Original Color

63.7545, 0.3070, 0.5912



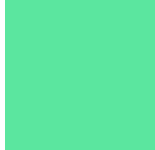
Protanomaly

58.9988, 0.3779, 0.5371



Deuteranomaly

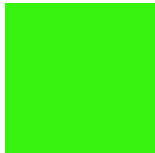
58.3751, 0.3812, 0.5036



Tritanomaly

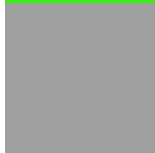
61.3210, 0.2722, 0.4295

Monochromacy



Original Color

63.7545, 0.3070, 0.5912



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

41.5007, 0.3176, 0.4595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7545, 0.3070, 0.5912 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(55, 241, 14)` looks like.

```
.text, #text, p{  
    color:rgb(55, 241, 14)  
}
```

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(55, 241, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 241, 14) }
```

Border

The CSS property to change the border of an element to Yxy 63.7545, 0.3070, 0.5912 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(55, 241, 14) }
```

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

```
.border{ border-color:rgb(55, 241, 14) }
```

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

Here you see how a box with a 4 pixel rgb(55, 241, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 241, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 241, 14);  
box-shadow:4px 4px 4px 4px rgb(55, 241,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7545, 0.3070, 0.5912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 241, 14) }
```

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

```
.background{ background-color: rgb(55, 241,  
14) }
```

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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