

Converting Colors

$Y_{xy}(69.1245, 0.3072, 0.5943)$

Have a look what the booklet for
Yxy(69.1245, 0.3072, 0.5943)
contains.

Yxy(69.1834, 0.3072, 0.5943)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.1834, 0.3072, 0.5943)

Conversions

Conversions Part 1

Format	Color
Hex	37FA00
RGB	55, 250, 0
RGB Percent	22%, 98%, 0%
CMY	0.7842, 0.0196, 1.0000
CMYK	0.78, 0.00, 1.00, 0.02
HSL	107°, 100%, 49%
HSV	107°, 100%, 98%
XYZ	35.7616, 69.1834, 11.4665
YIQ	163.1950, -35.9700, -119.0900

Conversions

Conversions Part 2

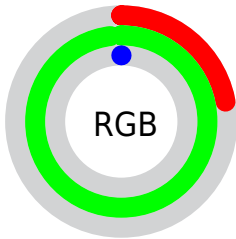
Format	Color
RYB	0, 250, 195
Decimal	3668480
CIELab	86.59, -81.26, 82.44
CIELCh	87, 115.754, 134.585
Yxy	69.1834, 0.3072, 0.5943
Android (android.graphics.Color)	4281858560 (0xFF37FA00)
YUV	163.1950, -80.4551, -94.8870
Hunter-Lab	83.1766, -68.8132, 50.0500

Details

The Yxy color **69.1834, 0.3072, 0.5943** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **18.5022, 0.2647, 0.1232**, and the grayscale version is **37.1280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4262, 0.3232, 0.5253**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **69.1864, 0.3072, 0.5943**, and if you desaturate by 10%, it is **69.9203, 0.3113, 0.5846**.

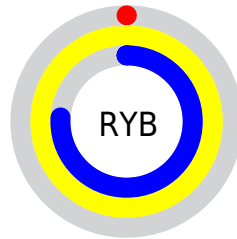
Distribution



Red (22%)

Green (98%)

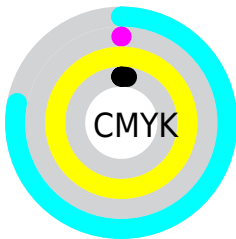
Blue (0%)



Red (0%)

Yellow (98%)

Blue (76%)

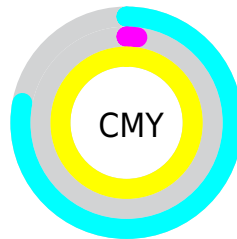


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (78%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.1834, 0.3072, 0.5943 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 69.1834, 0.3072, 0.5943 by changing the saturation by 10% instead.


 69.1834, 0.3072,
0.5943


 69.1834, 0.3072,
0.5943


457.6775, 0.3230,
0.4629

 50.8611, 0.2995,
0.6237


 118.0435, 0.3159,
0.5485

 36.0981, 0.2878,
0.6587


 149.3500, 0.3184,
0.5306


 24.5099, 0.2699,
0.6998


 185.7535, 0.3200,
0.5152

 15.7123, 0.2449,
0.7551

 227.6382, 0.3212,
0.5019

 9.3208, 0.2006,
0.7994

 275.3885, 0.3220,
0.4903

 4.9510, 0.1413,
0.8587

 329.3890, 0.3225,

 2.2186, 0.0000,

0.4800

1.0000

390.0238, 0.3228,
0.4710

■ 0.7301, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 69.1834, 0.3072,
0.5943

■ 69.1834, 0.3072,
0.5943


■ 69.1864, 0.3072,
0.5943

■ 69.9203, 0.3113,
0.5846


■ 70.9845, 0.3150,
0.5678


■ 72.4266, 0.3179,
0.5439


■ 74.2814, 0.3197,
0.5144

 76.5792, 0.3203,
0.4816

 79.3475, 0.3200,
0.4477

 82.6113, 0.3188,
0.4145

 86.3938, 0.3171,
0.3832

 90.7168, 0.3150,
0.3547

Harmonies

Analogous

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



69.1834, 0.4237, 0.5469



69.1834, 0.3072, 0.5943



69.1834, 0.1975, 0.4973

Triad

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



69.1834, 0.3072, 0.5943



69.1834, 0.1180, 0.1541



69.1834, 0.5338, 0.2853

Complementary

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



69.1834, 0.3072, 0.5943



18.5022, 0.2647, 0.1232

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.



69.1834, 0.4033, 0.2161



69.1834, 0.3072, 0.5943



69.1834, 0.1669, 0.1450

Square

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



69.1834, 0.3072, 0.5943



69.1834, 0.1045, 0.2042



69.1834, 0.2624, 0.1665



69.1834, 0.5752, 0.3624

Rectangle

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



69.1834, 0.3072, 0.5943



69.1834, 0.1447, 0.3770



69.1834, 0.2624, 0.1665



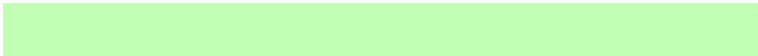
69.1834, 0.4972, 0.2609

Sweetspot

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



69.1864, 0.3072, 0.5943



86.4014, 0.3188, 0.4146



57.8790, 0.4687, 0.4661



18.1713, 0.3194, 0.4284



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.



69.1864, 0.3072, 0.5943



72.3642, 0.3071, 0.5943



68.7748, 0.2917, 0.5701



19.4933, 0.3149, 0.3533



36.7486, 0.3080, 0.5936



3.4481, 0.3157, 0.5876

Inverse Universe

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



18.5022, 0.2647, 0.1232



19.3456, 0.2647, 0.1232



23.7576, 0.4041, 0.2000



17.3206, 0.3103, 0.3054



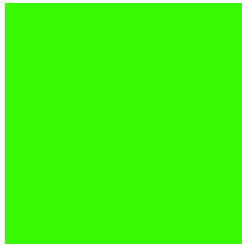
9.8800, 0.2657, 0.1237



0.9609, 0.2726, 0.1275

Previews

White Background



This preview shows how the Yxy color 69.1834, 0.3072, 0.5943 looks on a white background.

Color Contrast Check

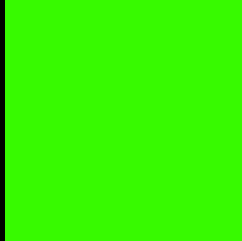
Large Text (above 18pt) WCAG AA × Fail

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 69.1834, 0.3072, 0.5943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

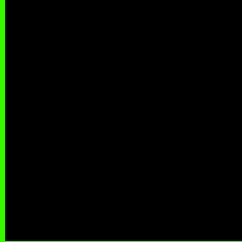
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.1834, 0.3072, 0.5943

Background



This preview shows how black text looks on a background with the Yxy color 69.1834, 0.3072, 0.5943.



This preview shows how white text looks on a background with the Yxy color 69.1834, 0.3072, 0.5943.

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

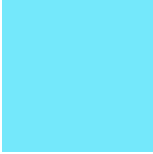
69.1834, 0.3072, 0.5943

Protanopia

67.4781, 0.4408, 0.4882

Deuteranopia

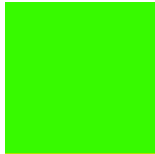
67.4706, 0.4086, 0.4084



Tritanopia

68.3913, 0.2392, 0.3060

Trichromacy



Original Color

69.1834, 0.3072, 0.5943



Protanomaly

64.4855, 0.3774, 0.5385



Deuteranomaly

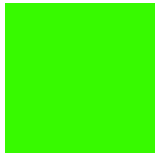
63.3296, 0.3680, 0.4938



Tritanomaly

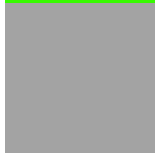
66.6508, 0.2745, 0.4374

Monochromacy



Original Color

69.1834, 0.3072, 0.5943



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

44.3148, 0.3203, 0.4680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1834, 0.3072, 0.5943 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, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(55, 250, 0)  
}
```

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, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 69.1834, 0.3072, 0.5943 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, 250, 0) }
```

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

```
.border{ border-color:rgb(55, 250, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(55, 250, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 69.1834, 0.3072, 0.5943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 250, 0) }
```

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

```
.background{ background-color: rgb(55, 250,  
0) }
```

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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