

Converting Colors

$Y_{xy}(73.4460, 0.3087, 0.5718)$

Have a look what the booklet for
Yxy(73.4460, 0.3087, 0.5718)
contains.

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Color

Yxy(73.4734, 0.3089, 0.5718)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 50FF34 |
| RGB | 80, 255, 52 |
| RGB Percent | 31%, 100%, 20% |
| CMY | 0.6859, 0.0000, 0.7963 |
| CMYK | 0.69, 0.00, 0.80, 0.00 |
| HSL | 112°, 100%, 60% |
| HSV | 112°, 80%, 100% |
| XYZ | 39.6921, 73.4734, 15.3294 |
| YIQ | 179.5330, -39.1370, -100.2330 |

Conversions

Conversions Part 2

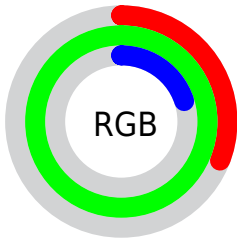
| Format | Color |
|-------------------------------------|--|
| RYB | 52, 255, 227 |
| Decimal | 5308212 |
| CIELab | 88.67, -77.45, 76.43 |
| CIELCh | 89, 108.807, 135.380 |
| Yxy | 73.4734, 0.3089, 0.5718 |
| Android (android.graphics.Color) | 4283498292 (0xFF50FF34) |
| YUV | 179.5330, -62.8738, -87.2904 |
| Hunter-Lab | 85.7166, -67.3476, 49.3983 |

Details

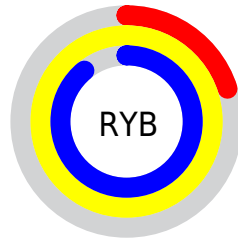
The Yxy color **73.4734, 0.3089, 0.5718** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **25.9758, 0.2929, 0.1494**, and the grayscale version is **45.7475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3371, 0.3231, 0.4966**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.4997, 0.3060, 0.5884**, and if you desaturate by 10%, it is **74.8896, 0.3114, 0.5474**.

Distribution



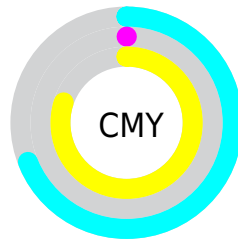
- Red (31%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (89%)



- Cyan (69%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (69%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.4734, 0.3089, 0.5718 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 73.4734, 0.3089, 0.5718 by changing the saturation by 10% instead.


 73.4734, 0.3089,
0.5718

 73.4734, 0.3089,
0.5718


472.6539, 0.3213,
0.4520


 54.3631, 0.3028,
0.5991


 124.1490, 0.3157,
0.5298

 38.8921, 0.2937,
0.6319


 156.4832, 0.3176,
0.5135


 26.6758, 0.2795,
0.6715


 193.9941, 0.3190,
0.4995

 17.3299, 0.2579,
0.7203

 237.0662, 0.3199,
0.4874

 10.4700, 0.2234,
0.7766

 286.0838, 0.3205,
0.4769

 5.7117, 0.1688,
0.8312


341.4314, 0.3209,

 2.6705, 0.0270,

0.4676


0.9730

403.4933, 0.3211,
0.4593


 0.9623, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.4734, 0.3089,
0.5718


 73.4734, 0.3089,
0.5718


 72.4997, 0.3060,
0.5884


 74.8896, 0.3114,
0.5474

 71.8999, 0.3032,
0.5973

 76.7841, 0.3133,
0.5171

 71.8835, 0.3031,
0.5975

 79.1990, 0.3145,
0.4833

 82.1695, 0.3150,
0.4484

■ 85.7275, 0.3149,
0.4144

■ 89.9027, 0.3145,
0.3826

■ 94.7224, 0.3137,
0.3538

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



73.4734, 0.4192, 0.5378



73.4734, 0.3089, 0.5718



73.4734, 0.2047, 0.4781

Triad

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



73.4734, 0.3089, 0.5718



73.4734, 0.1289, 0.1637



73.4734, 0.5196, 0.2920

Complementary

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



73.4734, 0.3089, 0.5718



25.9758, 0.2929, 0.1494

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.



73.4734, 0.4008, 0.2248



73.4734, 0.3089, 0.5718



73.4734, 0.1775, 0.1550

Square

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



73.4734, 0.3089, 0.5718



73.4734, 0.1153, 0.2117



73.4734, 0.2697, 0.1764



73.4734, 0.5583, 0.3673

Rectangle

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



73.4734, 0.3089, 0.5718



73.4734, 0.1544, 0.3702



73.4734, 0.2697, 0.1764



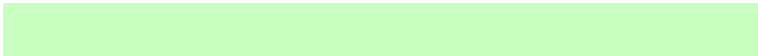
73.4734, 0.4863, 0.2683

Sweetspot

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



73.4765, 0.3089, 0.5718



88.0024, 0.3147, 0.3962



75.1092, 0.4349, 0.4757



18.5233, 0.3149, 0.4076



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.



73.4765, 0.3089, 0.5718



72.0809, 0.3041, 0.5947



73.6784, 0.2806, 0.5073



20.2889, 0.3137, 0.3534



37.5972, 0.3037, 0.5971



3.6957, 0.3094, 0.5925

Inverse Universe

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



25.9758, 0.2929, 0.1494



22.8230, 0.2869, 0.1364



27.1675, 0.4052, 0.2154



18.1652, 0.3116, 0.3054



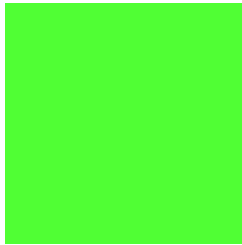
11.7435, 0.2860, 0.1349



1.1771, 0.2903, 0.1373

Previews

White Background



This preview shows how the Yxy color 73.4734, 0.3089, 0.5718 looks on a white background.

Color Contrast Check

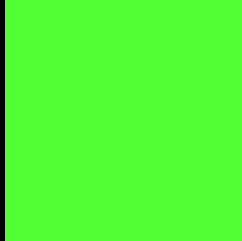
Large Text (above 18pt) WCAG AA × Fail

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 73.4734, 0.3089, 0.5718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

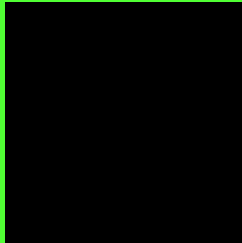
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

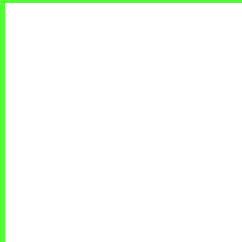
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.4734, 0.3089, 0.5718

Background



This preview shows how black text looks on a background with the Yxy color 73.4734, 0.3089, 0.5718.

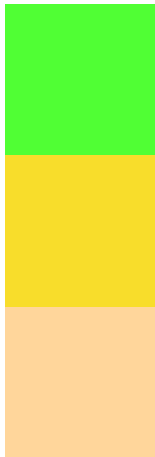


This preview shows how white text looks on a background with the Yxy color 73.4734, 0.3089, 0.5718.

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

73.4734, 0.3089, 0.5718

Protanopia

71.8438, 0.4346, 0.4803

Deuteranopia

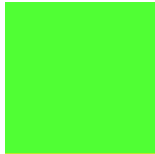
71.7197, 0.3869, 0.3897



Tritanopia

72.9393, 0.2462, 0.3079

Trichromacy



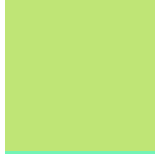
Original Color

73.4734, 0.3089, 0.5718



Protanomaly

69.0399, 0.3785, 0.5213



Deuteranomaly

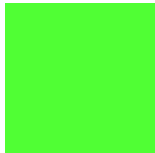
68.4230, 0.3548, 0.4599



Tritanomaly

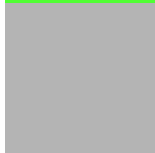
71.6824, 0.2737, 0.4108

Monochromacy



Original Color

73.4734, 0.3089, 0.5718



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.2484, 0.3156, 0.4334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4734, 0.3089, 0.5718 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(80, 255, 52)` looks like.

```
.text, #text, p{  
    color:rgb(80, 255, 52)  
}
```

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(80, 255, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 255, 52) }
```

Border

The CSS property to change the border of an element to Yxy 73.4734, 0.3089, 0.5718 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(80, 255, 52) }
```

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

```
.border{ border-color:rgb(80, 255, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 255, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 255, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 255, 52);  
box-shadow:4px 4px 4px 4px rgb(80, 255,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4734, 0.3089, 0.5718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 255, 52) }
```

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

```
.background{ background-color: rgb(80, 255,  
52) }
```

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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