

Converting Colors

$Y_{xy}(72.0573, 0.3188, 0.5584)$

Have a look what the booklet for
Yxy(72.0573, 0.3188, 0.5584)
contains.

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Color

Yxy(71.8128, 0.3189, 0.5580)

Conversions

Conversions Part 1

Format	Color
Hex	6BFA3B
RGB	107, 250, 59
RGB Percent	42%, 98%, 23%
CMY	0.5803, 0.0196, 0.7684
CMYK	0.57, 0.00, 0.76, 0.02
HSL	105°, 95%, 61%
HSV	105°, 76%, 98%
XYZ	41.0414, 71.8128, 15.8426
YIQ	185.4690, -23.9170, -89.7170

Conversions

Conversions Part 2

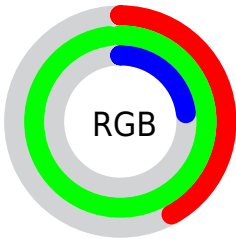
Format	Color
RYB	59, 250, 202
Decimal	7076411
CIELab	87.88, -69.83, 73.91
CIElCh	88, 101.681, 133.376
Yxy	71.8128, 0.3189, 0.5580
Android (android.graphics.Color)	4285266491 (0xFF6BFA3B)
YUV	185.4690, -62.3492, -68.8173
Hunter-Lab	84.7424, -61.8504, 48.2355

Details

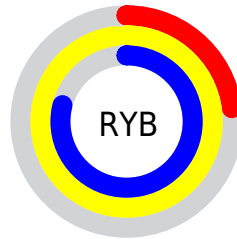
The Yxy color **71.8128, 0.3189, 0.5580** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **22.5979, 0.2728, 0.1427**, and the grayscale version is **49.1633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5098, 0.3334, 0.4862**, and **37.8377, 0.3023, 0.5982** is the 20% darker color. If you saturate the color by 10%, you get **70.5776, 0.3153, 0.5775**, and if you desaturate by 10%, it is **73.4294, 0.3214, 0.5320**.

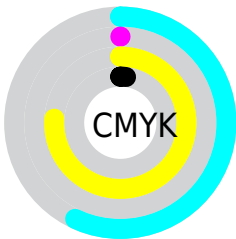
Distribution



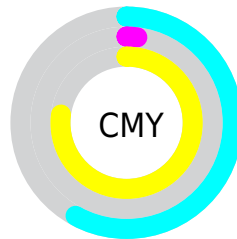
- Red (42%)
- Green (98%)
- Blue (23%)



- Red (23%)
- Yellow (98%)
- Blue (79%)



- Cyan (57%)
- Magenta (0%)
- Yellow (76%)
- Black (2%)





- Cyan (58%)
- Magenta (2%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8128, 0.3189, 0.5580 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 71.8128, 0.3189, 0.5580 by changing the saturation by 10% instead.


 71.8128, 0.3189,
0.5580


 71.8128, 0.3189,
0.5580


466.8898, 0.3257,
0.4452

 53.0058, 0.3143,
0.5837


 121.7903, 0.3236,
0.5185


 37.8074, 0.3069,
0.6148


 153.7296, 0.3248,
0.5031


 25.8332, 0.2951,
0.6524


 190.8152, 0.3254,
0.4900

 16.6989, 0.2761,
0.6986


 233.4313, 0.3258,
0.4786

 10.0201, 0.2453,
0.7547

 281.9624, 0.3259,
0.4686

 5.4123, 0.1926,
0.8074


336.7929, 0.3259,

 2.4911, 0.0662,

0.4599

0.9338


398.3073, 0.3259,
0.4521


 0.8722, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.8128, 0.3189,
0.5580


 71.8128, 0.3189,
0.5580


 70.5776, 0.3153,
0.5775


 73.4294, 0.3214,
0.5320


 69.6787, 0.3108,
0.5896


 75.4487, 0.3225,
0.5014

 69.4225, 0.3092,
0.5927


 77.9010, 0.3225,
0.4684

 80.8108, 0.3214,
0.4349

 84.2008, 0.3195,
0.4026

 88.0921, 0.3172,
0.3725

 92.5044, 0.3145,
0.3450

 96.8523, 0.3129,
0.3242

Harmonies

Analogous

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



71.8128, 0.4241, 0.5246



71.8128, 0.3189, 0.5580



71.8128, 0.2173, 0.4773

Triad

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



71.8128, 0.3189, 0.5580



71.8128, 0.1343, 0.1729



71.8128, 0.5024, 0.2904

Complementary

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



71.8128, 0.3189, 0.5580



22.5979, 0.2728, 0.1427

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.



71.8128, 0.3877, 0.2259



71.8128, 0.3189, 0.5580



71.8128, 0.1793, 0.1618

Square

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



71.8128, 0.3189, 0.5580



71.8128, 0.1236, 0.2234



71.8128, 0.2651, 0.1806



71.8128, 0.5465, 0.3636

Rectangle

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



71.8128, 0.3189, 0.5580



71.8128, 0.1664, 0.3786



71.8128, 0.2651, 0.1806



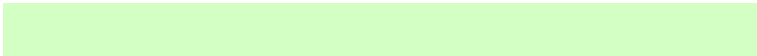
71.8128, 0.4694, 0.2675

Sweetspot

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



71.8158, 0.3189, 0.5580



89.3826, 0.3188, 0.3922



61.5259, 0.4493, 0.4557



18.8307, 0.3196, 0.4034



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.



71.8158, 0.3189, 0.5580



73.2484, 0.3128, 0.5853



70.2955, 0.2886, 0.5273



19.5198, 0.3154, 0.3533



36.8801, 0.3102, 0.5919



3.4636, 0.3182, 0.5855

Inverse Universe

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



22.5979, 0.2728, 0.1427



19.4797, 0.2621, 0.1243



27.8876, 0.3702, 0.1983



17.2922, 0.3098, 0.3053



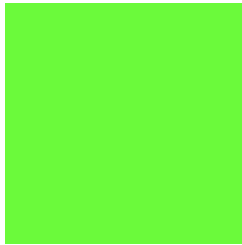
9.3501, 0.2580, 0.1195



0.9159, 0.2658, 0.1238

Previews

White Background



This preview shows how the Yxy color 71.8128, 0.3189, 0.5580 looks on a white background.

Color Contrast Check

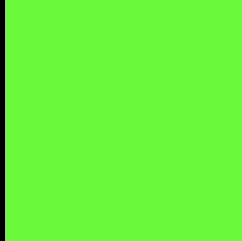
Large Text (above 18pt) WCAG AA × Fail

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 71.8128, 0.3189, 0.5580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

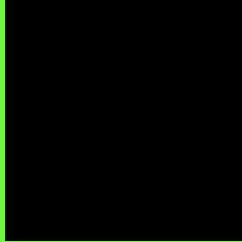
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

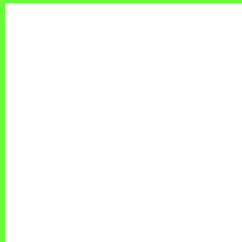
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8128, 0.3189, 0.5580

Background



This preview shows how black text looks on a background with the Yxy color 71.8128, 0.3189, 0.5580.

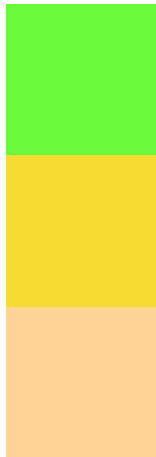


This preview shows how white text looks on a background with the Yxy color 71.8128, 0.3189, 0.5580.

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

71.8128, 0.3189, 0.5580

Protanopia

70.4949, 0.4326, 0.4770

Deuteranopia

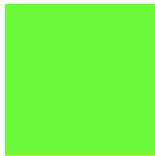
70.4851, 0.3928, 0.3948



Tritanopia

71.2354, 0.2507, 0.3068

Trichromacy



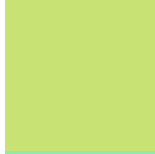
Original Color

71.8128, 0.3189, 0.5580



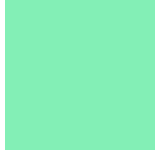
Protanomaly

68.4621, 0.3843, 0.5112



Deuteranomaly

68.0712, 0.3646, 0.4559



Tritanomaly

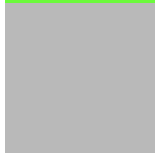
69.9357, 0.2800, 0.4024

Monochromacy



Original Color

71.8128, 0.3189, 0.5580



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.6331, 0.3212, 0.4242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8128, 0.3189, 0.5580 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(107, 250, 59)` looks like.

```
.text, #text, p{  
    color:rgb(107, 250, 59)  
}
```

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(107, 250, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 250, 59) }
```

Border

The CSS property to change the border of an element to Yxy 71.8128, 0.3189, 0.5580 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(107, 250, 59) }
```

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

```
.border{ border-color:rgb(107, 250, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 250, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 250, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 250, 59);  
box-shadow:4px 4px 4px 4px rgb(107, 250,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8128, 0.3189, 0.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 250, 59) }
```

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

```
.background{ background-color: rgb(107,  
250, 59) }
```

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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