

Converting Colors

$Y_{xy}(71.6970, 0.3171, 0.5393)$

Have a look what the booklet for
Yxy(71.6970, 0.3171, 0.5393)
contains.

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Color

Yxy(71.8933, 0.3171, 0.5399)

Conversions

Conversions Part 1

Format	Color
Hex	72F94F
RGB	114, 249, 79
RGB Percent	45%, 98%, 31%
CMY	0.5530, 0.0235, 0.6903
CMYK	0.54, 0.00, 0.68, 0.02
HSL	108°, 93%, 64%
HSV	108°, 68%, 98%
XYZ	42.2252, 71.8933, 19.0419
YIQ	189.2550, -25.8900, -81.4900

Conversions

Conversions Part 2

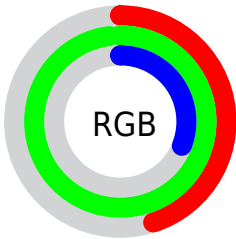
Format	Color
R_{YB}	79, 249, 214
Decimal	7534927
CIE Lab	87.92, -66.40, 67.32
CIE LCh	88, 94.560, 134.605
Yxy	71.8933, 0.3171, 0.5399
Android (android.graphics.Color)	4285725007 (0xFF72F94F)
YUV	189.2550, -54.3557, -65.9986
Hunter-Lab	84.7899, -59.4898, 46.0377

Details

The Yxy color **71.8933, 0.3171, 0.5399** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **26.7209, 0.2858, 0.1604**, and the grayscale version is **51.3705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5277, 0.3287, 0.4668**, and **37.7149, 0.3072, 0.5939** is the 20% darker color. If you saturate the color by 10%, you get **70.4137, 0.3144, 0.5650**, and if you desaturate by 10%, it is **73.8012, 0.3187, 0.5095**.

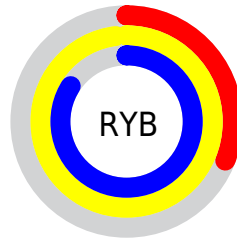
Distribution



Red (45%)

Green (98%)

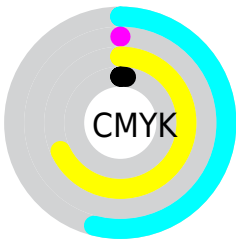
Blue (31%)



Red (31%)

Yellow (98%)

Blue (84%)

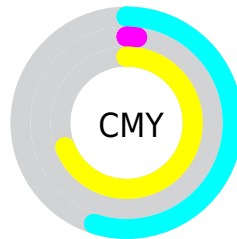


Cyan (54%)

Magenta (0%)

Yellow (68%)

Black (2%)



Cyan (55%)


Magenta (2%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8933, 0.3171, 0.5399 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 71.8933, 0.3171, 0.5399 by changing the saturation by 10% instead.


 71.8933, 0.3171,
0.5399


 71.8933, 0.3171,
0.5399


467.1701, 0.3229,
0.4355


 53.0715, 0.3133,
0.5642

 121.9048, 0.3210,
0.5030

 37.8599, 0.3072,
0.5939


 153.8633, 0.3220,
0.4888

 25.8739, 0.2973,
0.6306


 190.9696, 0.3226,
0.4766

 16.7294, 0.2808,
0.6758

 233.6079, 0.3229,
0.4661

 10.0417, 0.2573,
0.7427

282.1627, 0.3230,
0.4570

 5.4266, 0.2064,
0.7936


337.0185, 0.3231,


 2.4997, 0.0956,


0.4490


0.9044


398.5595, 0.3230,
0.4418


 0.8765, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.8933, 0.3171,
0.5399

 71.8933, 0.3171,
0.5399


 70.4137, 0.3144,
0.5650


 73.8012, 0.3187,
0.5095

 69.3185, 0.3109,
0.5831


 76.1589, 0.3193,
0.4762


 68.5677, 0.3070,
0.5936


 78.9970, 0.3190,
0.4422


 68.4665, 0.3064,
0.5949

 82.3408, 0.3179,
0.4091

 86.2137, 0.3163,
0.3782

 90.6379, 0.3144,
0.3500

 95.6339, 0.3124,
0.3249

 96.2350, 0.3130,
0.3233

Harmonies

Analogous

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



71.8933, 0.4170, 0.5170



71.8933, 0.3171, 0.5399



71.8933, 0.2210, 0.4603

Triad

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



71.8933, 0.3171, 0.5399



71.8933, 0.1443, 0.1805



71.8933, 0.4927, 0.2968

Complementary

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



71.8933, 0.3171, 0.5399



26.7209, 0.2858, 0.1604

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.



71.8933, 0.3880, 0.2342



71.8933, 0.3171, 0.5399



71.8933, 0.1894, 0.1705

Square

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



71.8933, 0.3171, 0.5399



71.8933, 0.1329, 0.2280



71.8933, 0.2728, 0.1896



71.8933, 0.5322, 0.3679

Rectangle

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



71.8933, 0.3171, 0.5399



71.8933, 0.1732, 0.3702



71.8933, 0.2728, 0.1896



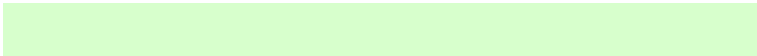
71.8933, 0.4628, 0.2746

Sweetspot

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



71.8963, 0.3171, 0.5399



90.2520, 0.3166, 0.3834



67.8745, 0.4298, 0.4554



19.0650, 0.3171, 0.3920



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.



71.8963, 0.3171, 0.5399



73.8390, 0.3132, 0.5728



70.9522, 0.2852, 0.4942



19.4814, 0.3147, 0.3533



36.6951, 0.3072, 0.5943



3.4415, 0.3146, 0.5884

Inverse Universe

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



26.7209, 0.2858, 0.1604



23.1524, 0.2781, 0.1395



29.9377, 0.3729, 0.2131



17.3335, 0.3105, 0.3054



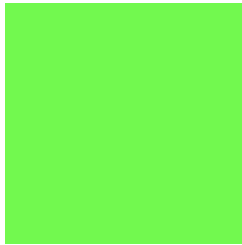
10.1289, 0.2692, 0.1256



0.9820, 0.2757, 0.1292

Previews

White Background



This preview shows how the Yxy color 71.8933, 0.3171, 0.5399 looks on a white background.

Color Contrast Check

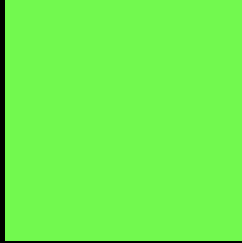
Large Text (above 18pt) WCAG AA × Fail

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 71.8933, 0.3171, 0.5399 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

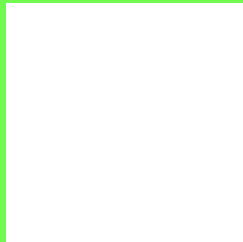
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8933, 0.3171, 0.5399

Background



This preview shows how black text looks on a background with the Yxy color 71.8933, 0.3171, 0.5399.

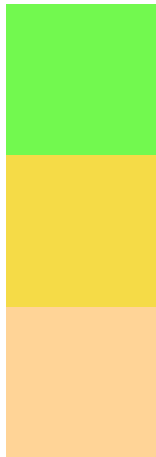


This preview shows how white text looks on a background with the Yxy color 71.8933, 0.3171, 0.5399.

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

71.8933, 0.3171, 0.5399

Protanopia

70.5304, 0.4251, 0.4676

Deuteranopia

70.5813, 0.3906, 0.3918



Tritanopia

71.5388, 0.2530, 0.3080

Trichromacy



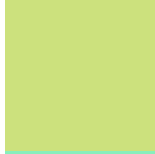
Original Color

71.8933, 0.3171, 0.5399



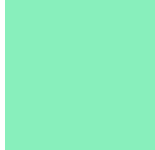
Protanomaly

68.9584, 0.3794, 0.4978



Deuteranomaly

68.1685, 0.3622, 0.4446



Tritanomaly

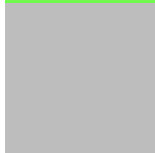
70.5981, 0.2795, 0.3938

Monochromacy



Original Color

71.8933, 0.3171, 0.5399



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.4398, 0.3182, 0.4117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8933, 0.3171, 0.5399 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(114, 249, 79)` looks like.

```
.text, #text, p{  
    color:rgb(114, 249, 79)  
}
```

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(114, 249, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 249, 79) }
```

Border

The CSS property to change the border of an element to Yxy 71.8933, 0.3171, 0.5399 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(114, 249, 79) }
```

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

```
.border{ border-color:rgb(114, 249, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 249, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 249, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 249, 79);  
box-shadow:4px 4px 4px 4px rgb(114, 249,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8933, 0.3171, 0.5399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 249, 79) }
```

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

```
.background{ background-color: rgb(114,  
249, 79) }
```

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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