

Converting Colors

$Yxy(73.8773, 0.3053, 0.5319)$

Have a look what the booklet for
Yxy(73.8773, 0.3053, 0.5319)
contains.

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Color

Yxy(73.7114, 0.3052, 0.5319)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 63FD5E |
| RGB | 99, 253, 94 |
| RGB Percent | 39%, 99%, 37% |
| CMY | 0.6115, 0.0078, 0.6316 |
| CMYK | 0.61, 0.00, 0.63, 0.01 |
| HSL | 118°, 98%, 68% |
| HSV | 118°, 63%, 99% |
| XYZ | 42.2950, 73.7114, 22.5749 |
| YIQ | 188.8280, -40.7450, -82.0970 |

Conversions

Conversions Part 2

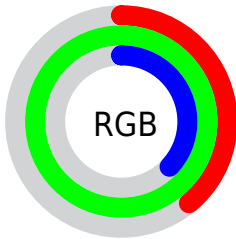
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 94, 253, 248 |
| Decimal | 6552926 |
| CIE _{Lab} | 88.79, -69.94, 62.29 |
| CIE _{LCh} | 89, 93.656, 138.308 |
| Yxy | 73.7114, 0.3052, 0.5319 |
| Android (android.graphics.Color) | 4284743006 (0xFF63FD5E) |
| YUV | 188.8280, -46.7502, -78.7792 |
| Hunter-Lab | 85.8553, -62.3122, 44.5090 |

Details

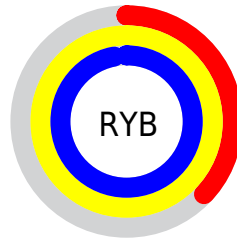
The Yxy color **73.7114, 0.3052, 0.5319** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **35.0219, 0.3147, 0.1825**, and the grayscale version is **51.0844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5085, 0.3140, 0.4541**, and **39.1457, 0.2957, 0.5845** is the 20% darker color. If you saturate the color by 10%, you get **72.1551, 0.3036, 0.5608**, and if you desaturate by 10%, it is **75.8406, 0.3068, 0.4981**.

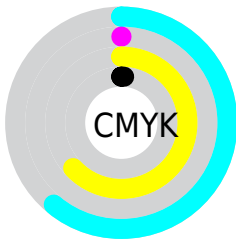
Distribution



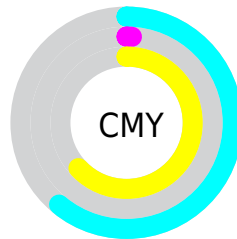
- Red (39%)
- Green (99%)
- Blue (37%)



- Red (37%)
- Yellow (99%)
- Blue (97%)



- Cyan (61%)
- Magenta (0%)
- Yellow (63%)
- Black (1%)





- Cyan (61%)
- Magenta (1%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7114, 0.3052, 0.5319 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 73.7114, 0.3052, 0.5319 by changing the saturation by 10% instead.


 73.7114, 0.3052,
0.5319

 73.7114, 0.3052,
0.5319


473.4767, 0.3155,
0.4309


 54.5579, 0.3008,
0.5558

 124.4866, 0.3104,
0.4960

 39.0478, 0.2942,
0.5854


 156.8771, 0.3119,
0.4822

 26.7969, 0.2840,
0.6224


 194.4486, 0.3130,
0.4705

 17.4208, 0.2678,
0.6691

 237.5857, 0.3139,
0.4603

 10.5350, 0.2434,
0.7343

286.6726, 0.3145,
0.4515

 5.7551, 0.1978,
0.8022


342.0939, 0.3149,

 2.6967, 0.0908,


0.4438


0.9092


404.2337, 0.3153,
0.4370

 0.9755, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 73.7114, 0.3052,
0.5319


 73.7114, 0.3052,
0.5319

 72.1551, 0.3036,
0.5608


 75.8406, 0.3068,
0.4981


 71.1082, 0.3021,
0.5824


 78.5808, 0.3083,
0.4622

 70.5090, 0.3009,
0.5952


 81.9775, 0.3097,
0.4267

 70.3032, 0.3005,
0.5996

 86.0693, 0.3108,
0.3933

 90.8919, 0.3118,
0.3630

 96.4785, 0.3125,
0.3361

 98.7306, 0.3128,
0.3271

Harmonies

Analogous

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



73.7114, 0.4046, 0.5211



73.7114, 0.3052, 0.5319



73.7114, 0.2127, 0.4422

Triad

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



73.7114, 0.3052, 0.5319



73.7114, 0.1501, 0.1796



73.7114, 0.4986, 0.3060

Complementary

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



73.7114, 0.3052, 0.5319



35.0219, 0.3147, 0.1825

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.



73.7114, 0.4013, 0.2425



73.7114, 0.3052, 0.5319



73.7114, 0.1992, 0.1734

Square

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



73.7114, 0.3052, 0.5319



73.7114, 0.1349, 0.2215



73.7114, 0.2864, 0.1956



73.7114, 0.5282, 0.3772

Rectangle

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



73.7114, 0.3052, 0.5319



73.7114, 0.1687, 0.3534



73.7114, 0.2864, 0.1956



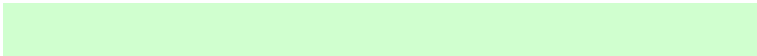
73.7114, 0.4719, 0.2836

Sweetspot

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



73.7145, 0.3052, 0.5319



89.4290, 0.3112, 0.3812



88.6393, 0.4036, 0.4707



18.8528, 0.3109, 0.3901



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.



73.7145, 0.3052, 0.5319



73.1861, 0.3033, 0.5662



75.4611, 0.2730, 0.4400



20.1960, 0.3120, 0.3535



37.4105, 0.3007, 0.5995



3.6519, 0.3022, 0.5982

Inverse Universe

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



35.0219, 0.3147, 0.1825



30.9689, 0.3143, 0.1653



32.1245, 0.4026, 0.2458



18.2688, 0.3133, 0.3056



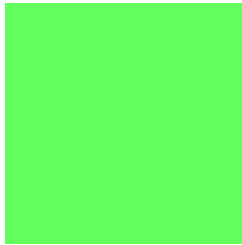
14.0980, 0.3129, 0.1497



1.3817, 0.3138, 0.1503

Previews

White Background



This preview shows how the Yxy color 73.7114, 0.3052, 0.5319 looks on a white background.

Color Contrast Check

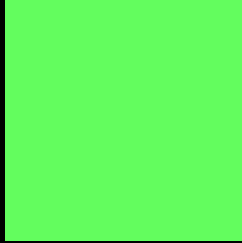
Large Text (above 18pt) WCAG AA × Fail

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 73.7114, 0.3052, 0.5319 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 73.7114, 0.3052, 0.5319

Background



This preview shows how black text looks on a background with the Yxy color 73.7114, 0.3052, 0.5319.

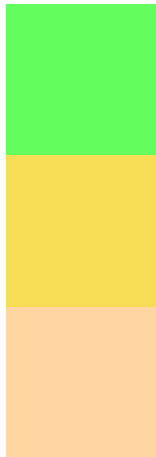


This preview shows how white text looks on a background with the Yxy color 73.7114, 0.3052, 0.5319.

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

73.7114, 0.3052, 0.5319

Protanopia

72.1429, 0.4193, 0.4594

Deuteranopia

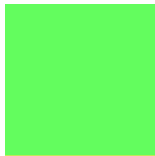
71.9263, 0.3826, 0.3837



Tritanopia

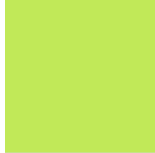
72.8736, 0.2486, 0.3069

Trichromacy



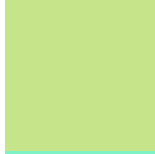
Original Color

73.7114, 0.3052, 0.5319



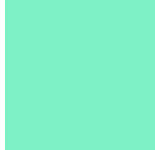
Protanomaly

70.3199, 0.3693, 0.4910



Deuteranomaly

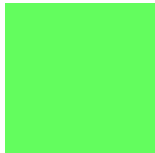
69.2987, 0.3494, 0.4359



Tritanomaly

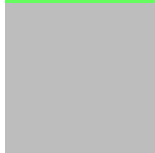
71.9254, 0.2710, 0.3873

Monochromacy



Original Color

73.7114, 0.3052, 0.5319



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.4880, 0.3105, 0.4070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7114, 0.3052, 0.5319 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(99, 253, 94)` looks like.

```
.text, #text, p{  
    color:rgb(99, 253, 94)  
}
```

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(99, 253, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 253, 94) }
```

Border

The CSS property to change the border of an element to Yxy 73.7114, 0.3052, 0.5319 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(99, 253, 94) }
```

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

```
.border{ border-color:rgb(99, 253, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 253, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 253, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 253, 94);  
box-shadow:4px 4px 4px 4px rgb(99, 253,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7114, 0.3052, 0.5319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 253, 94) }
```

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

```
.background{ background-color: rgb(99, 253,  
94) }
```

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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