

Converting Colors

Yxy(73.8544, 0.3119, 0.5068)

Have a look what the booklet for
Yxy(73.8544, 0.3119, 0.5068)
contains.

Yxy(73.8353, 0.3119, 0.5072)	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(73.8353, 0.3119, 0.5072)

Conversions

Conversions Part 1

Format	Color
Hex	7DFA6D
RGB	125, 250, 109
RGB Percent	49%, 98%, 43%
CMY	0.5098, 0.0196, 0.5724
CMYK	0.50, 0.00, 0.56, 0.02
HSL	113°, 93%, 70%
HSV	113°, 56%, 98%
XYZ	45.4046, 73.8353, 26.3344
YIQ	196.5510, -29.2390, -70.3510

Conversions

Conversions Part 2

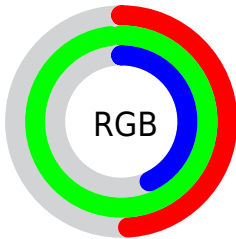
Format	Color
RYB	109, 250, 234
Decimal	8256109
CIELab	88.84, -61.05, 56.16
CIELCh	89, 82.953, 137.392
Yxy	73.8353, 0.3119, 0.5072
Android (android.graphics.Color)	4286446189 (0xFF7DFA6D)
YUV	196.5510, -43.1626, -62.7502
Hunter-Lab	85.9275, -56.0525, 41.9785

Details

The Yxy color **73.8353, 0.3119, 0.5072** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **35.3447, 0.3042, 0.1897**, and the grayscale version is **55.8315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5146, 0.3201, 0.4331**, and **38.9263, 0.3046, 0.5546** is the 20% darker color. If you saturate the color by 10%, you get **71.8878, 0.3102, 0.5391**, and if you desaturate by 10%, it is **76.3144, 0.3130, 0.4725**.

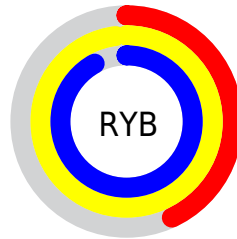
Distribution



Red (49%)

Green (98%)

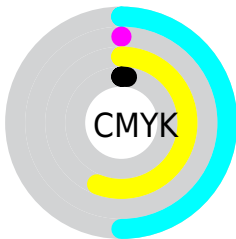
Blue (43%)



Red (43%)

Yellow (98%)

Blue (92%)

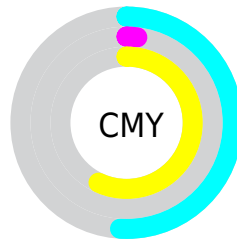


Cyan (50%)

Magenta (0%)

Yellow (56%)

Black (2%)



Cyan (51%)


Magenta (2%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8353, 0.3119, 0.5072 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 73.8353, 0.3119, 0.5072 by changing the saturation by 10% instead.


 73.8353, 0.3119,
0.5072

 73.8353, 0.3119,
0.5072


473.9047, 0.3175,
0.4190


 54.6592, 0.3090,
0.5282


 124.6623, 0.3151,
0.4758


 39.1290, 0.3046,
0.5543


 157.0821, 0.3160,
0.4637

 26.8601, 0.2975,
0.5873


 194.6851, 0.3165,
0.4535

 17.4682, 0.2857,
0.6297

 237.8560, 0.3169,
0.4447

 10.5688, 0.2658,
0.6852

286.9790, 0.3172,
0.4370

 5.7777, 0.2333,
0.7667


342.4385, 0.3174,

 2.7104, 0.1538,


0.4302


0.8462

404.6190, 0.3175,
0.4243


 0.9825, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.8353, 0.3119,
0.5072


 73.8353, 0.3119,
0.5072

 71.8878, 0.3102,
0.5391

 76.3144, 0.3130,
0.4725


 70.4242, 0.3080,
0.5657


 79.3503, 0.3136,
0.4375


 69.4037, 0.3055,
0.5849


 82.9777, 0.3138,
0.4039

 68.7743, 0.3030,
0.5958

 87.2258, 0.3136,
0.3730

 68.6250, 0.3023,
0.5982

 92.1219, 0.3131,
0.3451

 96.8535, 0.3129,
0.3242

Harmonies

Analogous

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



73.8353, 0.4021, 0.5011



73.8353, 0.3119, 0.5072



73.8353, 0.2267, 0.4312

Triad

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



73.8353, 0.3119, 0.5072



73.8353, 0.1634, 0.1944



73.8353, 0.4758, 0.3085

Complementary

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



73.8353, 0.3119, 0.5072



35.3447, 0.3042, 0.1897

Split Complementary

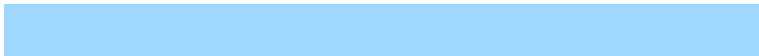
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.8353, 0.3888, 0.2495



73.8353, 0.3119, 0.5072



73.8353, 0.2084, 0.1868

Square

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



73.8353, 0.3119, 0.5072



73.8353, 0.1504, 0.2356



73.8353, 0.2871, 0.2065



73.8353, 0.5065, 0.3750

Rectangle

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



73.8353, 0.3119, 0.5072



73.8353, 0.1849, 0.3554



73.8353, 0.2871, 0.2065



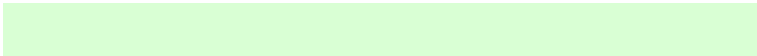
73.8353, 0.4515, 0.2876

Sweetspot

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



73.8384, 0.3119, 0.5072



90.9403, 0.3136, 0.3748



80.0232, 0.4024, 0.4504



19.2641, 0.3137, 0.3809



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.



73.8384, 0.3119, 0.5072



74.9039, 0.3099, 0.5441



74.2737, 0.2806, 0.4423



19.4033, 0.3133, 0.3534



36.4298, 0.3028, 0.5978



3.4036, 0.3080, 0.5936

Inverse Universe

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



35.3447, 0.3042, 0.1897



30.9174, 0.3012, 0.1680



35.2526, 0.3752, 0.2411



17.4189, 0.3120, 0.3055



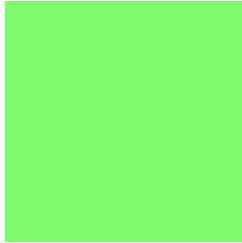
11.9119, 0.2925, 0.1385



1.1308, 0.2961, 0.1405

Previews

White Background



This preview shows how the Yxy color 73.8353, 0.3119, 0.5072 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 73.8353, 0.3119, 0.5072 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

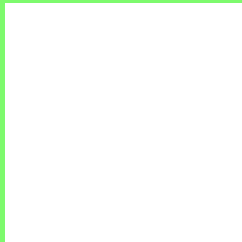
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.8353, 0.3119, 0.5072

Background



This preview shows how black text looks on a background with the Yxy color 73.8353, 0.3119, 0.5072.

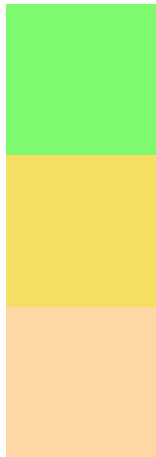


This preview shows how white text looks on a background with the Yxy color 73.8353, 0.3119, 0.5072.

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

73.8353, 0.3119, 0.5072

Protanopia

72.7555, 0.4106, 0.4497

Deuteranopia

72.5412, 0.3800, 0.3816



Tritanopia

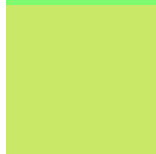
73.4424, 0.2548, 0.3072

Trichromacy



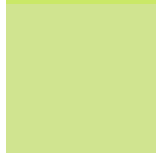
Original Color

73.8353, 0.3119, 0.5072



Protanomaly

71.2491, 0.3697, 0.4732



Deuteranomaly

70.9103, 0.3527, 0.4254



Tritanomaly

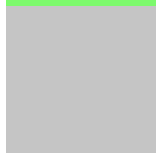
72.3769, 0.2764, 0.3773

Monochromacy



Original Color

73.8353, 0.3119, 0.5072



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

60.4863, 0.3139, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8353, 0.3119, 0.5072 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(125, 250, 109)` looks like.

```
.text, #text, p{  
  color:rgb(125, 250, 109)  
}
```

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(125, 250, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 250, 109) }
```

Border

The CSS property to change the border of an element to Yxy 73.8353, 0.3119, 0.5072 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(125, 250, 109) }
```

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

```
.border{ border-color:rgb(125, 250, 109) }
```

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

Here you see how a box with a 4 pixel rgb(125, 250, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 250, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 250, 109);  
box-shadow:4px 4px 4px 4px rgb(125, 250,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8353, 0.3119, 0.5072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 250, 109) }
```

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

```
.background{ background-color: rgb(125,  
250, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor