

Converting Colors

$Yxy(77.2794, 0.3283, 0.5372)$

Have a look what the booklet for
Yxy(77.2794, 0.3283, 0.5372)
contains.

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Color

Yxy(77.2760, 0.3285, 0.5375)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 88FF4C |
| RGB | 136, 255, 76 |
| RGB Percent | 53%, 100%, 30% |
| CMY | 0.4663, 0.0000, 0.7019 |
| CMYK | 0.47, 0.00, 0.70, 0.00 |
| HSL | 100°, 100%, 65% |
| HSV | 100°, 70%, 100% |
| XYZ | 47.2282, 77.2760, 19.2651 |
| YIQ | 199.0130, -13.4650, -80.8970 |

Conversions

Conversions Part 2

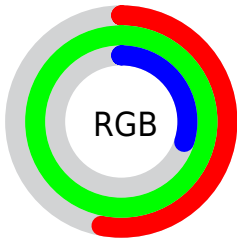
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 76, 255, 195 |
| Decimal | 8978252 |
| CIELab | 90.45, -62.80, 71.25 |
| CIELCh | 90, 94.980, 131.393 |
| Yxy | 77.2760, 0.3285, 0.5375 |
| Android (android.graphics.Color) | 4287168332 (0xFF88FF4C) |
| YUV | 199.0130, -60.6454, -55.2624 |
| Hunter-Lab | 87.9068, -57.9371, 48.5411 |

Details

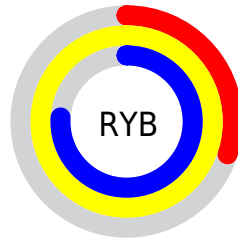
The Yxy color **77.2760, 0.3285, 0.5375** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **23.9817, 0.2628, 0.1462**, and the grayscale version is **57.5207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1115, 0.3431, 0.4629**, and **41.3102, 0.3201, 0.5841** is the 20% darker color. If you saturate the color by 10%, you get **75.6829, 0.3257, 0.5605**, and if you desaturate by 10%, it is **79.2404, 0.3296, 0.5094**.

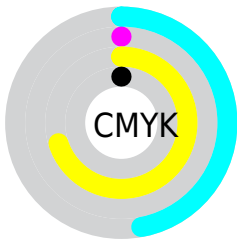
Distribution



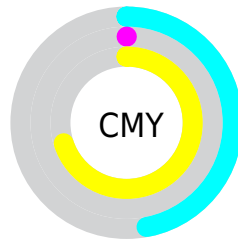
- Red (53%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (76%)



- Cyan (47%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2760, 0.3285, 0.5375 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 77.2760, 0.3285, 0.5375 by changing the saturation by 10% instead.


 77.2760, 0.3285,
0.5375

 77.2760, 0.3285,
0.5375


485.7045, 0.3293,
0.4366

 57.4794, 0.3258,
0.5603

 129.5290, 0.3307,
0.5024


 41.3903, 0.3212,
0.5878


 162.7542, 0.3310,
0.4887

 28.6242, 0.3131,
0.6213


 201.2245, 0.3310,
0.4769

 18.7967, 0.2993,
0.6617

 245.3241, 0.3308,
0.4667

 11.5235, 0.2796,
0.7204

 295.4375, 0.3305,
0.4578

 6.4201, 0.2350,
0.7650


351.9492, 0.3302,


 3.1022, 0.1662,


0.4499

0.8338


415.2434, 0.3298,
0.4429


 1.1853, 0.0000,
1.0000


 0.0497, 0.0000,
1.0000

 77.2760, 0.3285,
0.5375


 77.2760, 0.3285,
0.5375


 75.6829, 0.3257,
0.5605

 79.2404, 0.3296,
0.5094


 74.4229, 0.3213,
0.5771

 81.5909, 0.3291,
0.4782

 73.4748, 0.3161,
0.5872

 84.3529, 0.3273,
0.4458

 87.5467, 0.3244,
0.4137

 91.1912, 0.3209,
0.3833

 95.3040, 0.3169,
0.3551

99.9019, 0.3128,
0.3295

99.9960, 0.3127,
0.3290

Harmonies

Analogous

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



77.2760, 0.4259, 0.5079



77.2760, 0.3285, 0.5375



77.2760, 0.2321, 0.4701

Triad

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



77.2760, 0.3285, 0.5375



77.2760, 0.1439, 0.1859



77.2760, 0.4806, 0.2905

Complementary

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



77.2760, 0.3285, 0.5375



23.9817, 0.2628, 0.1462

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.



77.2760, 0.3741, 0.2299



77.2760, 0.3285, 0.5375



77.2760, 0.1848, 0.1724

Square

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



77.2760, 0.3285, 0.5375



77.2760, 0.1362, 0.2378



77.2760, 0.2630, 0.1883



77.2760, 0.5280, 0.3603

Rectangle

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



77.2760, 0.3285, 0.5375



77.2760, 0.1820, 0.3839



77.2760, 0.2630, 0.1883



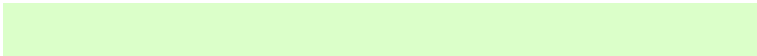
77.2760, 0.4493, 0.2689

Sweetspot

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



77.2793, 0.3285, 0.5375



90.8841, 0.3212, 0.3856



59.6340, 0.4513, 0.4378



19.2299, 0.3222, 0.3939



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.



77.2793, 0.3285, 0.5375



75.1691, 0.3242, 0.5676



74.0294, 0.2939, 0.5283



20.4643, 0.3167, 0.3532



38.4671, 0.3172, 0.5863



3.8025, 0.3257, 0.5796

Inverse Universe

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



23.9817, 0.2628, 0.1462



18.8725, 0.2501, 0.1230



32.0389, 0.3474, 0.1924



17.9771, 0.3084, 0.3052



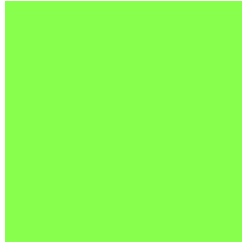
8.2892, 0.2376, 0.1083



0.8670, 0.2472, 0.1135

Previews

White Background



This preview shows how the Yxy color 77.2760, 0.3285, 0.5375 looks on a white background.

Color Contrast Check

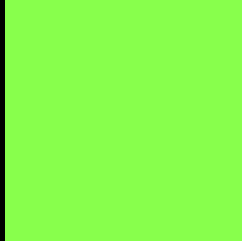
Large Text (above 18pt) WCAG AA × Fail

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 77.2760, 0.3285, 0.5375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

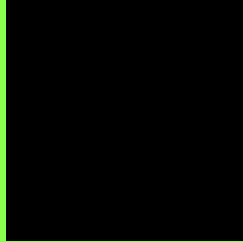
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

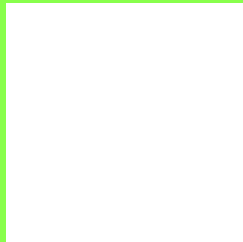
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2760, 0.3285, 0.5375

Background



This preview shows how black text looks on a background with the Yxy color 77.2760, 0.3285, 0.5375.



This preview shows how white text looks on a background with the Yxy color 77.2760, 0.3285, 0.5375.

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

77.2760, 0.3285, 0.5375

Protanopia

76.2505, 0.4262, 0.4707

Deuteranopia

76.1075, 0.3694, 0.3752



Tritanopia

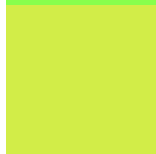
76.5590, 0.2637, 0.3089

Trichromacy



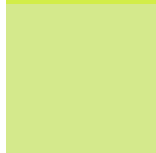
Original Color

77.2760, 0.3285, 0.5375



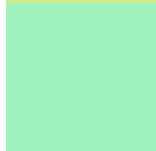
Protanomaly

74.7379, 0.3862, 0.4974



Deuteranomaly

74.1683, 0.3567, 0.4335



Tritanomaly

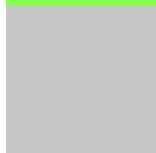
75.7900, 0.2912, 0.3945

Monochromacy



Original Color

77.2760, 0.3285, 0.5375



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.2262, 0.3243, 0.4113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2760, 0.3285, 0.5375 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(136, 255, 76)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 76)  
}
```

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(136, 255, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 76) }
```

Border

The CSS property to change the border of an element to Yxy 77.2760, 0.3285, 0.5375 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(136, 255, 76) }
```

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

```
.border{ border-color:rgb(136, 255, 76) }
```

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

Here you see how a box with a 4 pixel rgb(136, 255, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 76);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2760, 0.3285, 0.5375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 76) }
```

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

```
.background{ background-color: rgb(136,  
255, 76) }
```

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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