

Converting Colors

$Yxy(81.6888, 0.3234, 0.5378)$

Have a look what the booklet for
Yxy(81.6888, 0.3234, 0.5378)
contains.

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Color

Yxy(77.0347, 0.3245, 0.5342)

Conversions

Conversions Part 1

Format	Color
Hex	84FF52
RGB	132, 255, 82
RGB Percent	52%, 100%, 32%
CMY	0.4824, 0.0000, 0.6786
CMYK	0.48, 0.00, 0.68, 0.00
HSL	103°, 100%, 66%
HSV	103°, 68%, 100%
XYZ	46.7948, 77.0347, 20.3763
YIQ	198.5010, -17.7750, -79.8790

Conversions

Conversions Part 2

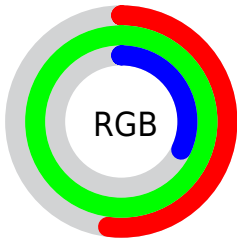
Format	Color
RYB	82, 255, 205
Decimal	8716114
CIELab	90.34, -63.54, 68.94
CIELCh	90, 93.758, 132.665
Yxy	77.0347, 0.3245, 0.5342
Android (android.graphics.Color)	4286906194 (0xFF84FF52)
YUV	198.5010, -57.4350, -58.3214
Hunter-Lab	87.7694, -58.4282, 47.6740

Details

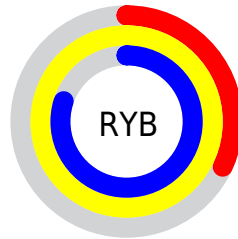
The Yxy color **77.0347, 0.3245, 0.5342** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **26.2250, 0.2725, 0.1545**, and the grayscale version is **57.1505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7215, 0.3381, 0.4589**, and **41.1389, 0.3170, 0.5844** is the 20% darker color. If you saturate the color by 10%, you get **75.3773, 0.3219, 0.5590**, and if you desaturate by 10%, it is **79.0854, 0.3256, 0.5046**.

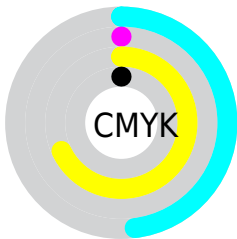
Distribution



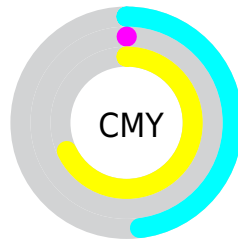
- Red (52%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (80%)



- Cyan (48%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)




- Cyan (48%)
- Magenta (0%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0347, 0.3245, 0.5342 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 77.0347, 0.3245, 0.5342 by changing the saturation by 10% instead.


 77.0347, 0.3245,
0.5342

 77.0347, 0.3245,
0.5342


484.8823, 0.3267,
0.4344


 57.2814, 0.3217,
0.5570


 129.1885, 0.3271,
0.4993


 41.2312, 0.3169,
0.5846


 162.3577, 0.3276,
0.4858

 28.4998, 0.3088,
0.6185


 200.7676, 0.3277,
0.4741

 18.7027, 0.2951,
0.6599

 244.8027, 0.3277,
0.4640

 11.4557, 0.2760,
0.7214

294.8473, 0.3275,
0.4552

 6.3742, 0.2316,
0.7684


351.2859, 0.3273,


 3.0739, 0.1608,


0.4475


0.8392


414.5027, 0.3270,
0.4406


 1.1705, 0.0000,
1.0000


 0.0374, 0.0000,
1.0000


 77.0347, 0.3245,
0.5342

 77.0347, 0.3245,
0.5342


 75.3773, 0.3219,
0.5590


 79.0854, 0.3256,
0.5046


 74.0904, 0.3179,
0.5773

 81.5631, 0.3253,
0.4723


 73.1344, 0.3131,
0.5886

 84.4894, 0.3239,
0.4392

 72.9643, 0.3120,
0.5904

 87.8863, 0.3216,
0.4070

 91.7745, 0.3186,
0.3767

 96.1731, 0.3154,
0.3489

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.0347, 0.4215, 0.5089



77.0347, 0.3245, 0.5342



77.0347, 0.2295, 0.4633

Triad

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



77.0347, 0.3245, 0.5342



77.0347, 0.1464, 0.1860



77.0347, 0.4822, 0.2939

Complementary

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



77.0347, 0.3245, 0.5342



26.2250, 0.2725, 0.1545

Split Complementary

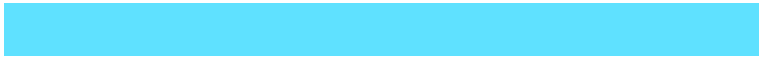
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0347, 0.3784, 0.2331



77.0347, 0.3245, 0.5342



77.0347, 0.1885, 0.1739

Square

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



77.0347, 0.3245, 0.5342



77.0347, 0.1374, 0.2358



77.0347, 0.2678, 0.1908



77.0347, 0.5261, 0.3635

Rectangle

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



77.0347, 0.3245, 0.5342



77.0347, 0.1809, 0.3778



77.0347, 0.2678, 0.1908



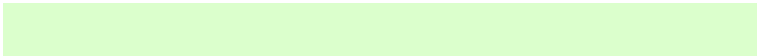
77.0347, 0.4520, 0.2722

Sweetspot

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



77.0324, 0.3245, 0.5342



90.8997, 0.3193, 0.3829



64.6220, 0.4398, 0.4431



19.2180, 0.3201, 0.3914



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.



77.0324, 0.3245, 0.5342



74.9350, 0.3208, 0.5655



74.5862, 0.2908, 0.5113



20.4224, 0.3159, 0.3533



38.1910, 0.3131, 0.5896



3.7714, 0.3212, 0.5832

Inverse Universe

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



26.2250, 0.2725, 0.1545



21.0124, 0.2620, 0.1320



32.4766, 0.3556, 0.2018



18.0212, 0.3091, 0.3052



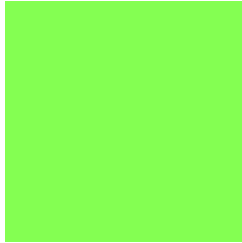
9.0041, 0.2487, 0.1144



0.9326, 0.2572, 0.1190

Previews

White Background



This preview shows how the Yxy color 77.0347, 0.3245, 0.5342 looks on a white background.

Color Contrast Check

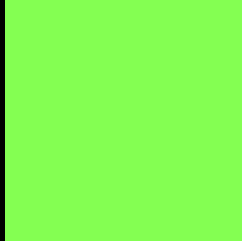
Large Text (above 18pt) WCAG AA × Fail

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 77.0347, 0.3245, 0.5342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

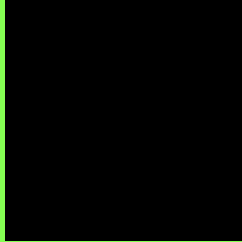
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

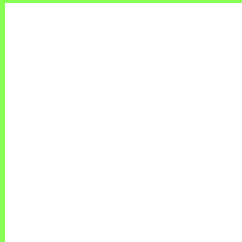
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0347, 0.3245, 0.5342

Background



This preview shows how black text looks on a background with the Yxy color 77.0347, 0.3245, 0.5342.

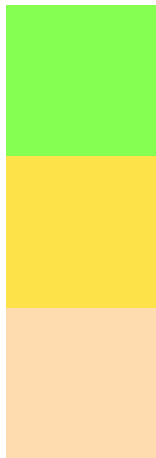


This preview shows how white text looks on a background with the Yxy color 77.0347, 0.3245, 0.5342.

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

77.0347, 0.3245, 0.5342

Protanopia

75.7698, 0.4251, 0.4672

Deuteranopia

75.5415, 0.3704, 0.3752



Tritanopia

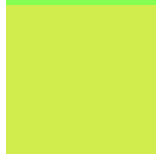
76.2234, 0.2621, 0.3088

Trichromacy



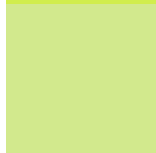
Original Color

77.0347, 0.3245, 0.5342



Protanomaly

74.6595, 0.3837, 0.4946



Deuteranomaly

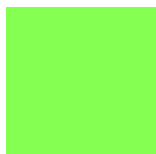
73.9026, 0.3546, 0.4329



Tritanomaly

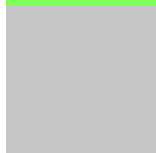
75.5751, 0.2884, 0.3922

Monochromacy



Original Color

77.0347, 0.3245, 0.5342



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

62.0620, 0.3216, 0.4091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0347, 0.3245, 0.5342 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(132, 255, 82)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 82)  
}
```

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(132, 255, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 82) }
```

Border

The CSS property to change the border of an element to Yxy 77.0347, 0.3245, 0.5342 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(132, 255, 82) }
```

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

```
.border{ border-color:rgb(132, 255, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 255, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 82);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0347, 0.3245, 0.5342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 82) }
```

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

```
.background{ background-color: rgb(132,  
255, 82) }
```

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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