

Converting Colors

$Yxy(77.0721, 0.3218, 0.5284)$

Have a look what the booklet for
Yxy(77.0721, 0.3218, 0.5284)
contains.

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Color

Yxy(77.0666, 0.3217, 0.5284)

Conversions

Conversions Part 1

Format	Color
Hex	83FF59
RGB	131, 255, 89
RGB Percent	51%, 100%, 35%
CMY	0.4864, 0.0000, 0.6508
CMYK	0.49, 0.00, 0.65, 0.00
HSL	105°, 100%, 67%
HSV	105°, 65%, 100%
XYZ	46.9196, 77.0666, 21.8628
YIQ	199.0000, -20.6180, -77.9140

Conversions

Conversions Part 2

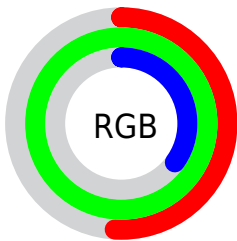
Format	Color
RYB	89, 255, 213
Decimal	8650585
CIELab	90.35, -63.25, 66.25
CIELCh	90, 91.598, 133.674
Yxy	77.0666, 0.3217, 0.5284
Android (android.graphics.Color)	4286840665 (0xFF83FF59)
YUV	199.0000, -54.2300, -59.6360
Hunter-Lab	87.7876, -58.2258, 46.6856

Details

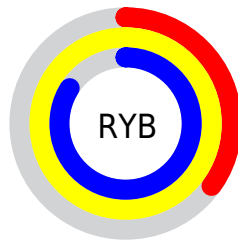
The Yxy color **77.0666, 0.3217, 0.5284** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **28.5322, 0.2803, 0.1629**, and the grayscale version is **57.4554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7708, 0.3344, 0.4528**, and **41.1609, 0.3143, 0.5778** is the 20% darker color. If you saturate the color by 10%, you get **75.3229, 0.3194, 0.5551**, and if you desaturate by 10%, it is **79.2330, 0.3227, 0.4974**.

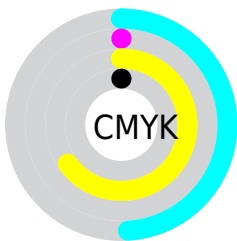
Distribution



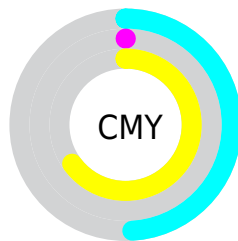
- Red (51%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (84%)



- Cyan (49%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0666, 0.3217, 0.5284 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 77.0666, 0.3217, 0.5284 by changing the saturation by 10% instead.


 77.0666, 0.3217,
0.5284


 77.0666, 0.3217,
0.5284


484.9911, 0.3246,
0.4311


 57.3075, 0.3189,
0.5508


 129.2335, 0.3244,
0.4943


 41.2522, 0.3143,
0.5781


 162.4101, 0.3249,
0.4811

 28.5162, 0.3065,
0.6118


 200.8280, 0.3252,
0.4697

 18.7151, 0.2934,
0.6535

 244.8717, 0.3252,
0.4599

 11.4646, 0.2737,
0.7119

294.9254, 0.3252,
0.4513

 6.3803, 0.2328,
0.7672


351.3736, 0.3250,


 3.0777, 0.1626,

0.4438

0.8374


414.6007, 0.3248,
0.4371

 1.1724, 0.0000,
1.0000


 0.0390, 0.0000,
1.0000


 77.0666, 0.3217,
0.5284


 77.0666, 0.3217,
0.5284


 75.3229, 0.3194,
0.5551


 79.2330, 0.3227,
0.4974


 73.9788, 0.3159,
0.5754


 81.8583, 0.3225,
0.4641


 72.9948, 0.3115,
0.5884

 84.9654, 0.3213,
0.4307

 72.6233, 0.3093,
0.5926

 88.5775, 0.3193,
0.3986

 92.7166, 0.3169,
0.3688

 97.4033, 0.3142,
0.3417

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.



77.0666, 0.4172, 0.5075



77.0666, 0.3217, 0.5284



77.0666, 0.2288, 0.4559

Triad

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



77.0666, 0.3217, 0.5284



77.0666, 0.1501, 0.1878



77.0666, 0.4809, 0.2971

Complementary

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



77.0666, 0.3217, 0.5284



28.5322, 0.2803, 0.1629

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.



77.0666, 0.3809, 0.2368



77.0666, 0.3217, 0.5284



77.0666, 0.1929, 0.1767

Square

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



77.0666, 0.3217, 0.5284



77.0666, 0.1402, 0.2356



77.0666, 0.2721, 0.1943



77.0666, 0.5218, 0.3662

Rectangle

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



77.0666, 0.3217, 0.5284



77.0666, 0.1817, 0.3725



77.0666, 0.2721, 0.1943



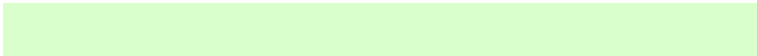
77.0666, 0.4521, 0.2757

Sweetspot

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



77.0639, 0.3217, 0.5284



90.6129, 0.3181, 0.3831



68.4444, 0.4306, 0.4447



19.1502, 0.3188, 0.3916



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.



77.0639, 0.3217, 0.5284



74.8909, 0.3185, 0.5617



75.1986, 0.2889, 0.4963



20.3897, 0.3154, 0.3533



38.0064, 0.3102, 0.5919



3.7497, 0.3179, 0.5858

Inverse Universe

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



28.5322, 0.2803, 0.1629



23.0045, 0.2714, 0.1400



33.3848, 0.3596, 0.2097



18.0559, 0.3097, 0.3053



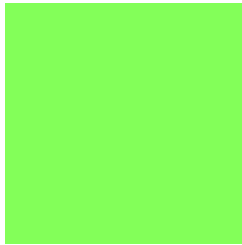
9.6080, 0.2576, 0.1193



0.9872, 0.2651, 0.1234

Previews

White Background



This preview shows how the Yxy color 77.0666, 0.3217, 0.5284 looks on a white background.

Color Contrast Check

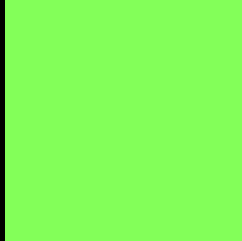
Large Text (above 18pt) WCAG AA × Fail

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 77.0666, 0.3217, 0.5284 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

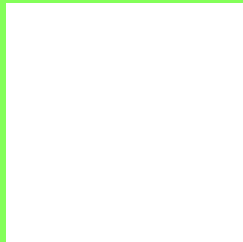
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0666, 0.3217, 0.5284

Background



This preview shows how black text looks on a background with the Yxy color 77.0666, 0.3217, 0.5284.

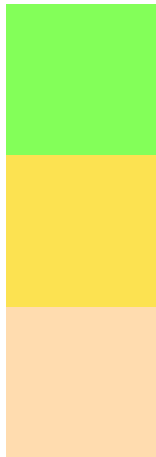


This preview shows how white text looks on a background with the Yxy color 77.0666, 0.3217, 0.5284.

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

77.0666, 0.3217, 0.5284

Protanopia

75.6822, 0.4215, 0.4635

Deuteranopia

75.5415, 0.3704, 0.3752



Tritanopia

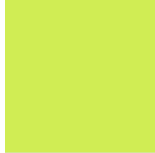
76.2234, 0.2621, 0.3088

Trichromacy



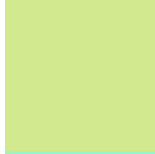
Original Color

77.0666, 0.3217, 0.5284



Protanomaly

74.6184, 0.3803, 0.4901



Deuteranomaly

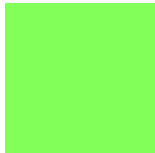
73.9931, 0.3528, 0.4297



Tritanomaly

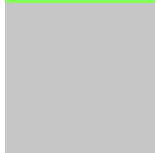
75.6101, 0.2863, 0.3885

Monochromacy



Original Color

77.0666, 0.3217, 0.5284



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1649, 0.3197, 0.4052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0666, 0.3217, 0.5284 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(131, 255, 89)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 89)  
}
```

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(131, 255, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 89) }
```

Border

The CSS property to change the border of an element to Yxy 77.0666, 0.3217, 0.5284 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(131, 255, 89) }
```

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

```
.border{ border-color:rgb(131, 255, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 89);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0666, 0.3217, 0.5284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 89) }
```

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

```
.background{ background-color: rgb(131,  
255, 89) }
```

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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