

Converting Colors

$Yxy(77.0739, 0.3166, 0.5185)$

Have a look what the booklet for
Yxy(77.0739, 0.3166, 0.5185)
contains.

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Color

Yxy(77.1072, 0.3169, 0.5186)

Conversions

Conversions Part 1

Format	Color
Hex	81FF64
RGB	129, 255, 100
RGB Percent	51%, 100%, 39%
CMY	0.4940, 0.0000, 0.6078
CMYK	0.49, 0.00, 0.61, 0.00
HSL	109°, 100%, 70%
HSV	109°, 61%, 100%
XYZ	47.1178, 77.1072, 24.4584
YIQ	199.6560, -25.3410, -74.9170

Conversions

Conversions Part 2

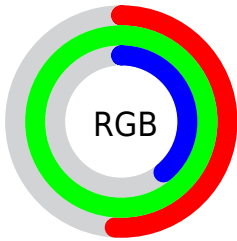
Format	Color
RYB	100, 255, 226
Decimal	8519524
CIELab	90.37, -62.78, 61.82
CIElCh	90, 88.107, 135.440
Yxy	77.1072, 0.3169, 0.5186
Android (android.graphics.Color)	4286709604 (0xFF81FF64)
YUV	199.6560, -49.1304, -61.9653
Hunter-Lab	87.8107, -57.8886, 44.9531

Details

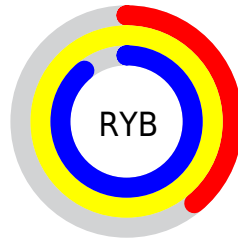
The Yxy color **77.1072, 0.3169, 0.5186** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **32.5018, 0.2925, 0.1762**, and the grayscale version is **57.8630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8674, 0.3275, 0.4412**, and **41.1897, 0.3097, 0.5670** is the 20% darker color. If you saturate the color by 10%, you get **75.2290, 0.3150, 0.5480**, and if you desaturate by 10%, it is **79.4751, 0.3179, 0.4856**.

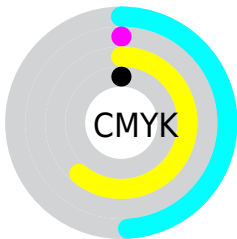
Distribution



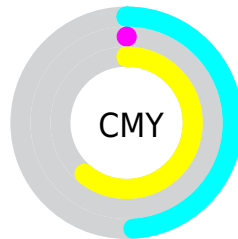
- Red (51%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (89%)



- Cyan (49%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1072, 0.3169, 0.5186 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 77.1072, 0.3169, 0.5186 by changing the saturation by 10% instead.


 77.1072, 0.3169,
0.5186


 77.1072, 0.3169,
0.5186


485.1295, 0.3211,
0.4257

 57.3409, 0.3141,
0.5403


 129.2908, 0.3198,
0.4858


 41.2790, 0.3096,
0.5669


 162.4768, 0.3205,
0.4732

 28.5371, 0.3023,
0.6001


 200.9049, 0.3209,
0.4624

 18.7309, 0.2902,
0.6419

 244.9594, 0.3211,
0.4530

 11.4760, 0.2702,
0.6968

295.0247, 0.3212,
0.4449

 6.3880, 0.2347,
0.7653


351.4852, 0.3213,


 3.0824, 0.1654,


0.4377


0.8346


414.7253, 0.3212,
0.4314


 1.1749, 0.0000,
1.0000

 0.0411, 0.0000,
1.0000


 77.1072, 0.3169,
0.5186

 77.1072, 0.3169,
0.5186

 75.2290, 0.3150,
0.5480


 79.4751, 0.3179,
0.4856

 73.7964, 0.3121,
0.5715

 82.3550, 0.3180,
0.4512

 72.7723, 0.3086,
0.5875


 85.7785, 0.3173,
0.4176

 72.1423, 0.3053,
0.5958

 89.7722, 0.3161,
0.3858

 94.3608, 0.3146,
0.3569

 99.5676, 0.3129,
0.3309

 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.



77.1072, 0.4100, 0.5049



77.1072, 0.3169, 0.5186



77.1072, 0.2276, 0.4439

Triad

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



77.1072, 0.3169, 0.5186



77.1072, 0.1563, 0.1907



77.1072, 0.4789, 0.3026

Complementary

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



77.1072, 0.3169, 0.5186



32.5018, 0.2925, 0.1762

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.



77.1072, 0.3850, 0.2428



77.1072, 0.3169, 0.5186



77.1072, 0.2002, 0.1814

Square

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



77.1072, 0.3169, 0.5186



77.1072, 0.1449, 0.2354



77.1072, 0.2794, 0.2000



77.1072, 0.5147, 0.3705

Rectangle

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



77.1072, 0.3169, 0.5186



77.1072, 0.1830, 0.3640



77.1072, 0.2794, 0.2000



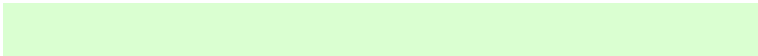
77.1072, 0.4522, 0.2814

Sweetspot

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



77.1102, 0.3169, 0.5186



90.9869, 0.3157, 0.3775



75.4930, 0.4163, 0.4477



19.2030, 0.3162, 0.3862



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.



77.1102, 0.3169, 0.5186



74.8734, 0.3144, 0.5538



76.3212, 0.2850, 0.4704



20.3317, 0.3144, 0.3534



37.7425, 0.3060, 0.5952



3.7164, 0.3127, 0.5899

Inverse Universe

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



32.5018, 0.2925, 0.1762



26.6956, 0.2865, 0.1538



34.9557, 0.3671, 0.2242



18.1183, 0.3108, 0.3054



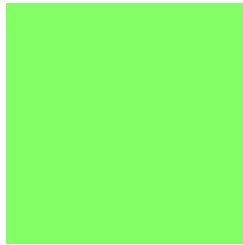
10.7845, 0.2738, 0.1282



1.0924, 0.2795, 0.1313

Previews

White Background



This preview shows how the Yxy color 77.1072, 0.3169, 0.5186 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 77.1072, 0.3169, 0.5186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

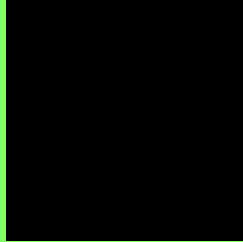
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

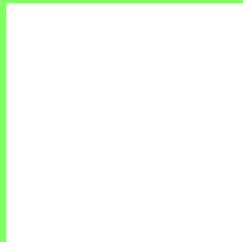
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1072, 0.3169, 0.5186

Background



This preview shows how black text looks on a background with the Yxy color 77.1072, 0.3169, 0.5186.

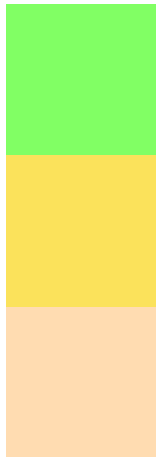


This preview shows how white text looks on a background with the Yxy color 77.1072, 0.3169, 0.5186.

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

77.1072, 0.3169, 0.5186

Protanopia

75.6573, 0.4164, 0.4574

Deuteranopia

75.6207, 0.3690, 0.3732



Tritanopia

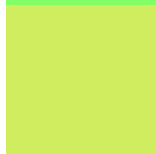
76.6939, 0.2617, 0.3099

Trichromacy



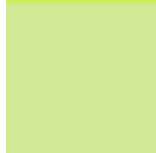
Original Color

77.1072, 0.3169, 0.5186



Protanomaly

74.6419, 0.3754, 0.4828



Deuteranomaly

74.0031, 0.3490, 0.4244



Tritanomaly

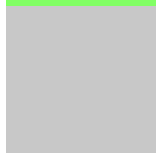
75.6949, 0.2837, 0.3835

Monochromacy



Original Color

77.1072, 0.3169, 0.5186



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.8654, 0.3164, 0.3998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1072, 0.3169, 0.5186 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(129, 255, 100)` looks like.

```
.text, #text, p{  
    color:rgb(129, 255, 100)  
}
```

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(129, 255, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 100) }
```

Border

The CSS property to change the border of an element to Yxy 77.1072, 0.3169, 0.5186 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(129, 255, 100) }
```

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

```
.border{ border-color:rgb(129, 255, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 255, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 255, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 255, 100);  
box-shadow:4px 4px 4px 4px rgb(129, 255,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1072, 0.3169, 0.5186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 255, 100) }
```

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

```
.background{ background-color: rgb(129,  
255, 100) }
```

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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