

Converting Colors

$Y_{xy}(77.8092, 0.3469, 0.5628)$

Have a look what the booklet for
Yxy(77.8092, 0.3469, 0.5628)
contains.

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Color

Yxy(77.8159, 0.3469, 0.5627)

Conversions

Conversions Part 1

Format	Color
Hex	94FF00
RGB	148, 255, 0
RGB Percent	58%, 100%, 0%
CMY	0.4197, 0.0000, 0.9985
CMYK	0.42, 0.00, 1.00, 0.00
HSL	85°, 100%, 50%
HSV	85°, 100%, 100%
XYZ	47.9729, 77.8159, 12.5014
YIQ	193.9370, 18.0830, -101.9890

Conversions

Conversions Part 2

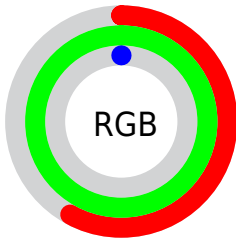
Format	Color
RYB	0, 255, 107
Decimal	9764608
CIELab	90.70, -61.80, 86.75
CIELCh	91, 106.512, 125.465
Yxy	77.8159, 0.3469, 0.5627
Android (android.graphics.Color)	4287954688 (0xFF94FF00)
YUV	193.9370, -95.6109, -40.2867
Hunter-Lab	88.2133, -57.3000, 53.3469

Details

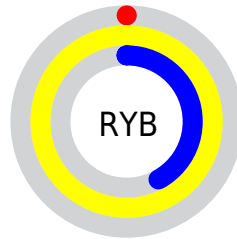
The Yxy color **77.8159, 0.3469, 0.5627** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **10.3787, 0.1861, 0.0799**, and the grayscale version is **54.5029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0120, 0.3698, 0.4946**, and **41.8173, 0.3269, 0.5787** is the 20% darker color. If you saturate the color by 10%, you get **77.7998, 0.3468, 0.5628**, and if you desaturate by 10%, it is **78.9350, 0.3517, 0.5532**.

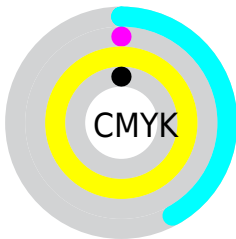
Distribution



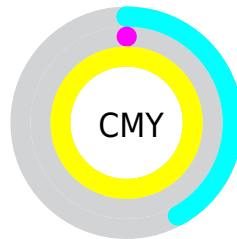
- Red (58%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (42%)



- Cyan (42%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8159, 0.3469, 0.5627 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 77.8159, 0.3469, 0.5627 by changing the saturation by 10% instead.

 77.8159, 0.3469,
0.5627


 77.8159, 0.3469,
0.5627


 487.5414, 0.3433,
0.4533

 57.9228, 0.3440,
0.5857

 130.2906, 0.3486,
0.5259

 41.7466, 0.3384,
0.6123


 163.6409, 0.3484,
0.5111

 28.9029, 0.3285,
0.6430


 202.2457, 0.3479,
0.4983

 19.0074, 0.3145,
0.6839

 246.4894, 0.3471,
0.4870

 11.6756, 0.2839,
0.7161

 296.7565, 0.3462,
0.4770

 6.5232, 0.2403,
0.7597

 353.4312, 0.3452,

 3.1657, 0.1745,

0.4682

0.8255

416.8981, 0.3443,
0.4603

■ 1.2189, 0.0000,
1.0000

■ 0.0770, 0.0000,
1.0000

■ 77.8159, 0.3469,
0.5627

■ 77.8159, 0.3469,
0.5627


■ 77.7998, 0.3468,
0.5628

■ 78.9350, 0.3517,
0.5532


■ 80.2444, 0.3546,
0.5388

■ 81.7744, 0.3551,
0.5190


■ 83.5449, 0.3532,
0.4949

 85.5729, 0.3491,
0.4676

 87.8732, 0.3434,
0.4387

 90.4595, 0.3364,
0.4095

 93.3443, 0.3287,
0.3809

 96.5393, 0.3207,
0.3538

Harmonies

Analogous

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



77.8159, 0.4508, 0.5072



77.8159, 0.3469, 0.5627



77.8159, 0.2404, 0.5143

Triad

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



77.8159, 0.3469, 0.5627



77.8159, 0.1258, 0.1793



77.8159, 0.4800, 0.2710

Complementary

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



77.8159, 0.3469, 0.5627



10.3787, 0.1861, 0.0799

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.



77.8159, 0.3540, 0.2099



77.8159, 0.3469, 0.5627



77.8159, 0.1616, 0.1592

Square

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



77.8159, 0.3469, 0.5627



77.8159, 0.1237, 0.2437



77.8159, 0.2369, 0.1707



77.8159, 0.5476, 0.3430

Rectangle

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



77.8159, 0.3469, 0.5627



77.8159, 0.1818, 0.4204



77.8159, 0.2369, 0.1707



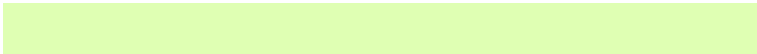
77.8159, 0.4412, 0.2489

Sweetspot

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



77.8157, 0.3469, 0.5627



90.4184, 0.3365, 0.4099



31.6669, 0.5679, 0.3872



19.1126, 0.3396, 0.4222



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.



77.8157, 0.3469, 0.5627



77.7998, 0.3468, 0.5628



71.6869, 0.3014, 0.5988



20.6882, 0.3204, 0.3529



40.7419, 0.3479, 0.5619



4.0312, 0.3558, 0.5557

Inverse Universe

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



10.3787, 0.1861, 0.0799



10.3565, 0.1859, 0.0798



24.6839, 0.2997, 0.1425



17.7507, 0.3045, 0.3049



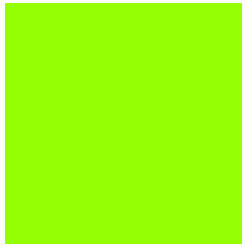
5.4946, 0.1876, 0.0807



0.5975, 0.2002, 0.0876

Previews

White Background



This preview shows how the Yxy color 77.8159, 0.3469, 0.5627 looks on a white background.

Color Contrast Check

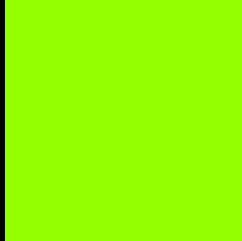
Large Text (above 18pt) WCAG AA × Fail

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 77.8159, 0.3469, 0.5627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

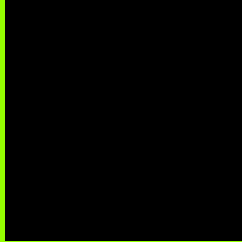
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8159, 0.3469, 0.5627

Background



This preview shows how black text looks on a background with the Yxy color 77.8159, 0.3469, 0.5627.



This preview shows how white text looks on a background with the Yxy color 77.8159, 0.3469, 0.5627.

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

77.8159, 0.3469, 0.5627

Protanopia

76.4372, 0.4332, 0.4778

Deuteranopia

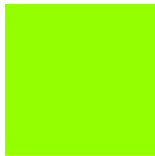
76.6371, 0.3691, 0.3762



Tritanopia

77.4917, 0.2679, 0.3091

Trichromacy



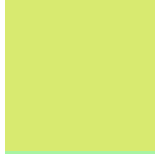
Original Color

77.8159, 0.3469, 0.5627



Protanomaly

75.2771, 0.4005, 0.5120



Deuteranomaly

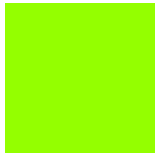
74.6144, 0.3749, 0.4611



Tritanomaly

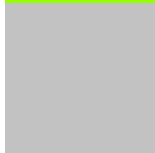
75.6348, 0.3117, 0.4284

Monochromacy



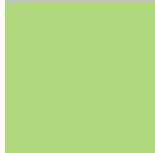
Original Color

77.8159, 0.3469, 0.5627



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.9141, 0.3446, 0.4457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8159, 0.3469, 0.5627 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(148, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 0)  
}
```

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(148, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 77.8159, 0.3469, 0.5627 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(148, 255, 0) }
```

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

```
.border{ border-color:rgb(148, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8159, 0.3469, 0.5627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 0) }
```

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

```
.background{ background-color: rgb(148,  
255, 0) }
```

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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