

Converting Colors

$Y_{xy}(77.1519, 0.3404, 0.5621)$

Have a look what the booklet for
Yxy(77.1519, 0.3404, 0.5621)
contains.

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Color

Yxy(77.1700, 0.3405, 0.5619)

Conversions

Conversions Part 1

Format	Color
Hex	8CFF1A
RGB	140, 255, 26
RGB Percent	55%, 100%, 10%
CMY	0.4509, 0.0000, 0.8982
CMYK	0.45, 0.00, 0.90, 0.00
HSL	90°, 100%, 55%
HSV	90°, 90%, 100%
XYZ	46.7635, 77.1700, 13.4042
YIQ	194.5090, 4.9690, -95.5990

Conversions

Conversions Part 2

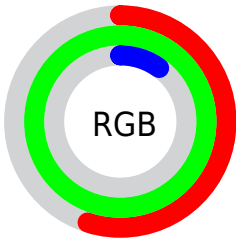
Format	Color
R _Y B	26, 255, 141
Decimal	9240346
CIE Lab	90.40, -63.90, 83.96
CIE LCh	90, 105.505, 127.274
Yxy	77.1700, 0.3405, 0.5619
Android (android.graphics.Color)	4287430426 (0xFF8CFF1A)
YUV	194.5090, -83.0749, -47.8044
Hunter-Lab	87.8465, -58.7101, 52.4457

Details

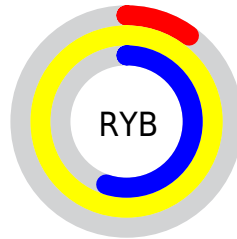
The Yxy color **77.1700, 0.3405, 0.5619** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **13.6140, 0.2119, 0.0982**, and the grayscale version is **54.7673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0161, 0.3613, 0.4917**, and **41.4284, 0.3217, 0.5828** is the 20% darker color. If you saturate the color by 10%, you get **76.0497, 0.3351, 0.5721**, and if you desaturate by 10%, it is **78.5178, 0.3442, 0.5463**.

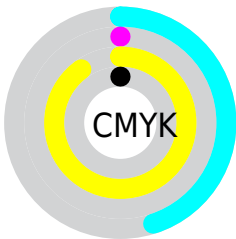
Distribution



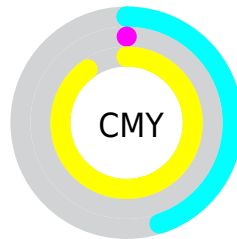
- Red (55%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (55%)



- Cyan (45%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1700, 0.3405, 0.5619 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 77.1700, 0.3405, 0.5619 by changing the saturation by 10% instead.

 77.1700, 0.3405,
0.5619


 77.1700, 0.3405,
0.5619


485.3435, 0.3392,
0.4516

 57.3924, 0.3372,
0.5855


 129.3794, 0.3429,
0.5245


 41.3204, 0.3313,
0.6132

 162.5801, 0.3429,
0.5096


 28.5695, 0.3211,
0.6454


 201.0238, 0.3427,
0.4966

 18.7554, 0.3058,
0.6866

 245.0951, 0.3421,
0.4853

 11.4937, 0.2758,
0.7242

 295.1783, 0.3415,
0.4753

 6.3999, 0.2305,
0.7695


 351.6579, 0.3408,


 3.0897, 0.1596,


0.4665


0.8404


414.9181, 0.3400,
0.4587


 1.1788, 0.0000,
1.0000


 0.0443, 0.0000,
1.0000


 77.1700, 0.3405,
0.5619


 77.1700, 0.3405,
0.5619


 76.0497, 0.3351,
0.5721


 78.5178, 0.3442,
0.5463

 76.0312, 0.3350,
0.5722


 80.1213, 0.3457,
0.5252


 82.0033, 0.3450,
0.4995

 84.1826, 0.3422,
0.4708

 86.6758, 0.3379,
0.4407

 89.4978, 0.3323,
0.4105

 92.6628, 0.3260,
0.3813

 96.1837, 0.3194,
0.3539

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.



77.1700, 0.4447, 0.5112



77.1700, 0.3405, 0.5619



77.1700, 0.2351, 0.5058

Triad

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



77.1700, 0.3405, 0.5619



77.1700, 0.1279, 0.1779



77.1700, 0.4853, 0.2756

Complementary

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



77.1700, 0.3405, 0.5619



13.6140, 0.2119, 0.0982

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.



77.1700, 0.3617, 0.2136



77.1700, 0.3405, 0.5619



77.1700, 0.1657, 0.1599

Square

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



77.1700, 0.3405, 0.5619



77.1700, 0.1238, 0.2388



77.1700, 0.2433, 0.1731



77.1700, 0.5474, 0.3478

Rectangle

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



77.1700, 0.3405, 0.5619



77.1700, 0.1783, 0.4105



77.1700, 0.2433, 0.1731



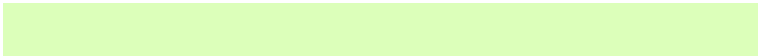
77.1700, 0.4477, 0.2533

Sweetspot

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



77.1714, 0.3405, 0.5619



90.3555, 0.3306, 0.4021



40.2305, 0.5236, 0.4141



19.1184, 0.3327, 0.4122



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.



77.1714, 0.3405, 0.5619



76.0312, 0.3350, 0.5722



71.8134, 0.3003, 0.5930



20.6124, 0.3191, 0.3530



39.8166, 0.3362, 0.5713



3.9417, 0.3447, 0.5645

Inverse Universe

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



13.6140, 0.2119, 0.0982



11.8101, 0.2008, 0.0880



29.2168, 0.3208, 0.1571



17.8257, 0.3058, 0.3050



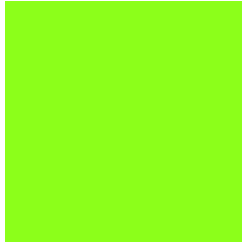
6.2599, 0.2025, 0.0889



0.6744, 0.2147, 0.0956

Previews

White Background



This preview shows how the Yxy color 77.1700, 0.3405, 0.5619 looks on a white background.

Color Contrast Check

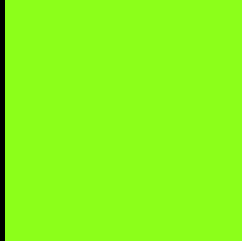
Large Text (above 18pt) WCAG AA × Fail

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 77.1700, 0.3405, 0.5619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

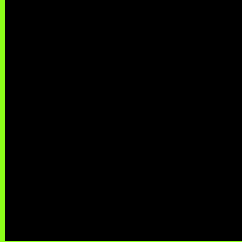
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

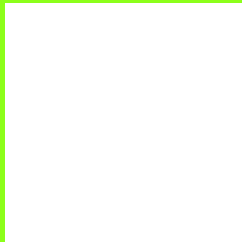
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1700, 0.3405, 0.5619

Background



This preview shows how black text looks on a background with the Yxy color 77.1700, 0.3405, 0.5619.



This preview shows how white text looks on a background with the Yxy color 77.1700, 0.3405, 0.5619.

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

77.1700, 0.3405, 0.5619

Protanopia

76.2247, 0.4396, 0.4873

Deuteranopia

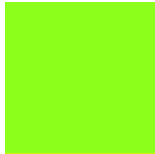
75.9900, 0.3715, 0.3783



Tritanopia

76.7870, 0.2647, 0.3090

Trichromacy



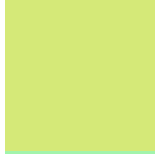
Original Color

77.1700, 0.3405, 0.5619



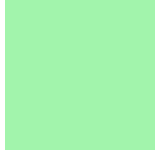
Protanomaly

74.7550, 0.4002, 0.5174



Deuteranomaly

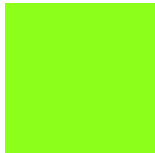
73.7800, 0.3688, 0.4538



Tritanomaly

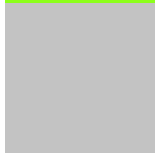
75.3613, 0.3026, 0.4169

Monochromacy



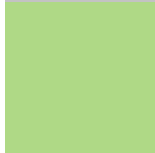
Original Color

77.1700, 0.3405, 0.5619



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

60.4609, 0.3366, 0.4349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1700, 0.3405, 0.5619 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(140, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 26)  
}
```

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(140, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 26) }
```

Border

The CSS property to change the border of an element to Yxy 77.1700, 0.3405, 0.5619 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(140, 255, 26) }
```

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

```
.border{ border-color:rgb(140, 255, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1700, 0.3405, 0.5619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 26) }
```

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

```
.background{ background-color: rgb(140,  
255, 26) }
```

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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