

Converting Colors

$Y_{xy}(77.1088, 0.3404, 0.5628)$

Have a look what the booklet for
Yxy(77.1088, 0.3404, 0.5628)
contains.

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Color

Yxy(77.0749, 0.3401, 0.5629)

Conversions

Conversions Part 1

Format	Color
Hex	8BFF18
RGB	139, 255, 24
RGB Percent	55%, 100%, 9%
CMY	0.4550, 0.0000, 0.9062
CMYK	0.46, 0.00, 0.91, 0.00
HSL	90°, 100%, 55%
HSV	90°, 91%, 100%
XYZ	46.5681, 77.0749, 13.2817
YIQ	193.9820, 5.0150, -96.4330

Conversions

Conversions Part 2

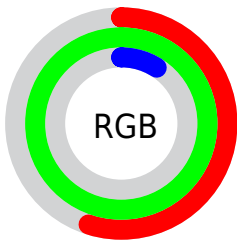
Format	Color
R _Y B	24, 255, 140
Decimal	9174808
CIE Lab	90.36, -64.26, 84.18
CIE LCh	90, 105.906, 127.355
Yxy	77.0749, 0.3401, 0.5629
Android (android.graphics.Color)	4287364888 (0xFF8BFF18)
YUV	193.9820, -83.8011, -48.2192
Hunter-Lab	87.7923, -58.9540, 52.4849

Details

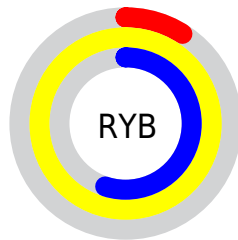
The Yxy color **77.0749, 0.3401, 0.5629** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **13.4421, 0.2110, 0.0972**, and the grayscale version is **54.4307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8576, 0.3610, 0.4929**, and **41.3490, 0.3206, 0.5836** is the 20% darker color. If you saturate the color by 10%, you get **76.0286, 0.3350, 0.5722**, and if you desaturate by 10%, it is **78.3992, 0.3440, 0.5478**.

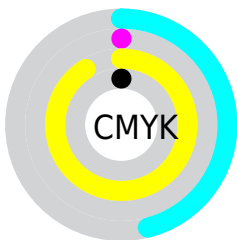
Distribution



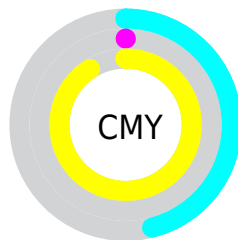
- Red (55%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (55%)



- Cyan (46%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0749, 0.3401, 0.5629 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 77.0749, 0.3401, 0.5629 by changing the saturation by 10% instead.

 77.0749, 0.3401,
0.5629

 77.0749, 0.3401,
0.5629


485.0194, 0.3391,
0.4521

 57.3144, 0.3367,
0.5866


 129.2452, 0.3426,
0.5253


 41.2577, 0.3307,
0.6144


 162.4237, 0.3427,
0.5103


 28.5205, 0.3203,
0.6467


 200.8437, 0.3425,
0.4973

 18.7184, 0.3049,
0.6883

 244.8896, 0.3420,
0.4859

 11.4670, 0.2744,
0.7256

 294.9457, 0.3413,
0.4759

 6.3818, 0.2288,
0.7712


 351.3964, 0.3406,


 3.0786, 0.1570,


0.4671


0.8430


414.6262, 0.3399,
0.4592

 1.1729, 0.0000,
1.0000


 0.0394, 0.0000,
1.0000


 77.0749, 0.3401,
0.5629


 77.0749, 0.3401,
0.5629


 76.0286, 0.3350,
0.5722

 78.3992, 0.3440,
0.5478

 79.9814, 0.3457,
0.5270


 81.8408, 0.3451,
0.5017

 83.9960, 0.3425,
0.4732

 86.4639, 0.3383,
0.4431

 89.2597, 0.3328,
0.4129

 92.3973, 0.3265,
0.3836

 95.8899, 0.3199,
0.3560

 99.7499, 0.3131,
0.3305

Harmonies

Analogous

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



77.0749, 0.4446, 0.5119



77.0749, 0.3401, 0.5629



77.0749, 0.2344, 0.5063

Triad

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



77.0749, 0.3401, 0.5629



77.0749, 0.1274, 0.1773



77.0749, 0.4862, 0.2755

Complementary

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



77.0749, 0.3401, 0.5629



13.4421, 0.2110, 0.0972

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.



77.0749, 0.3622, 0.2134



77.0749, 0.3401, 0.5629



77.0749, 0.1653, 0.1594

Square

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



77.0749, 0.3401, 0.5629



77.0749, 0.1232, 0.2382



77.0749, 0.2433, 0.1727



77.0749, 0.5483, 0.3479

Rectangle

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



77.0749, 0.3401, 0.5629



77.0749, 0.1775, 0.4104



77.0749, 0.2433, 0.1727



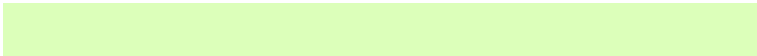
77.0749, 0.4486, 0.2531

Sweetspot

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



77.0722, 0.3401, 0.5629



90.3541, 0.3306, 0.4021



39.9257, 0.5253, 0.4136



19.1181, 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.



77.0722, 0.3401, 0.5629



76.0286, 0.3350, 0.5722



71.7790, 0.3003, 0.5938



20.6123, 0.3191, 0.3530



39.8153, 0.3361, 0.5713



3.9416, 0.3447, 0.5645

Inverse Universe

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



13.4421, 0.2110, 0.0972



11.8126, 0.2008, 0.0880



29.1303, 0.3208, 0.1568



17.8259, 0.3058, 0.3050



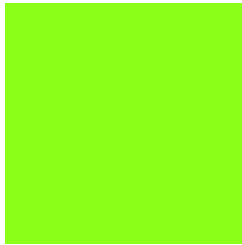
6.2612, 0.2025, 0.0889



0.6746, 0.2147, 0.0957

Previews

White Background



This preview shows how the Yxy color 77.0749, 0.3401, 0.5629 looks on a white background.

Color Contrast Check

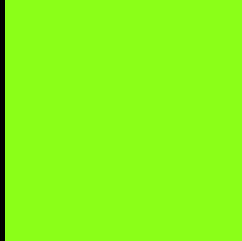
Large Text (above 18pt) WCAG AA × Fail

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 77.0749, 0.3401, 0.5629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

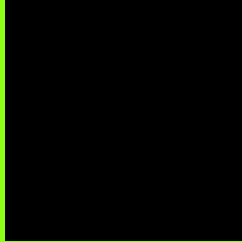
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

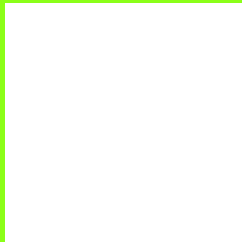
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0749, 0.3401, 0.5629

Background



This preview shows how black text looks on a background with the Yxy color 77.0749, 0.3401, 0.5629.



This preview shows how white text looks on a background with the Yxy color 77.0749, 0.3401, 0.5629.

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

77.0749, 0.3401, 0.5629

Protanopia

75.6659, 0.4409, 0.4872

Deuteranopia

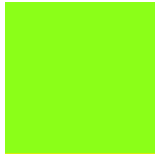
75.4635, 0.3718, 0.3773



Tritanopia

76.6726, 0.2642, 0.3089

Trichromacy



Original Color

77.0749, 0.3401, 0.5629



Protanomaly

74.7436, 0.4005, 0.5180



Deuteranomaly

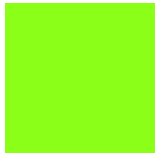
73.7559, 0.3694, 0.4547



Tritanomaly

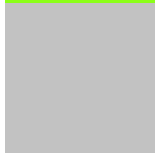
75.2187, 0.3026, 0.4184

Monochromacy



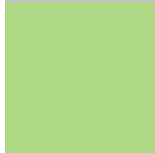
Original Color

77.0749, 0.3401, 0.5629



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.7763, 0.3373, 0.4367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0749, 0.3401, 0.5629 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(139, 255, 24)` looks like.

```
.text, #text, p{  
    color:rgb(139, 255, 24)  
}
```

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(139, 255, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 24) }
```

Border

The CSS property to change the border of an element to Yxy 77.0749, 0.3401, 0.5629 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(139, 255, 24) }
```

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

```
.border{ border-color:rgb(139, 255, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 255, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 24);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0749, 0.3401, 0.5629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 255, 24) }
```

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

```
.background{ background-color: rgb(139,  
255, 24) }
```

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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