

Converting Colors

$Yxy(76.4860, 0.3380, 0.5694)$

Have a look what the booklet for
Yxy(76.4860, 0.3380, 0.5694)
contains.

Yxy(76.5109, 0.3382, 0.5693)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.5109, 0.3382, 0.5693)

Conversions

Conversions Part 1

Format	Color
Hex	85FF02
RGB	133, 255, 2
RGB Percent	52%, 100%, 1%
CMY	0.4782, 0.0000, 0.9918
CMYK	0.48, 0.00, 0.99, 0.00
HSL	89°, 100%, 50%
HSV	89°, 99%, 100%
XYZ	45.4523, 76.5109, 12.4315
YIQ	189.6800, 8.5010, -104.5470

Conversions

Conversions Part 2

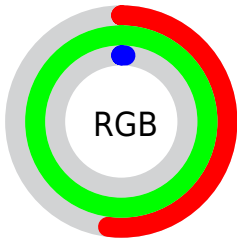
Format	Color
R _Y B	2, 255, 124
Decimal	8781570
CIE Lab	90.10, -66.31, 85.90
CIE LCh	90, 108.516, 127.667
Yxy	76.5109, 0.3382, 0.5693
Android (android.graphics.Color)	4286971650 (0xFF85FF02)
YUV	189.6800, -92.5262, -49.7084
Hunter-Lab	87.4705, -60.3195, 52.8029

Details

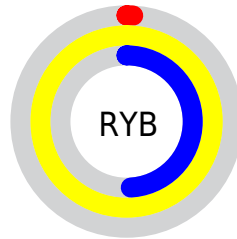
The Yxy color **76.5109, 0.3382, 0.5693** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **11.5518, 0.1978, 0.0866**, and the grayscale version is **51.8553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9303, 0.3592, 0.5001**, and **41.0563, 0.3166, 0.5869** is the 20% darker color. If you saturate the color by 10%, you get **76.4277, 0.3377, 0.5700**, and if you desaturate by 10%, it is **77.6521, 0.3434, 0.5590**.

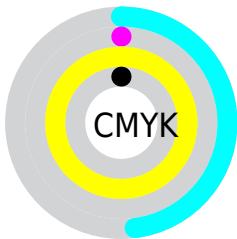
Distribution



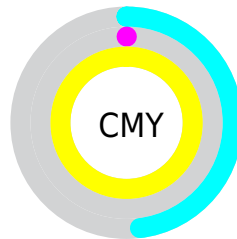
- Red (52%)
- Green (100%)
- Blue (1%)



- Red (1%)
- Yellow (100%)
- Blue (49%)



- Cyan (48%)
- Magenta (0%)
- Yellow (99%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5109, 0.3382, 0.5693 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 76.5109, 0.3382, 0.5693 by changing the saturation by 10% instead.


 76.5109, 0.3382,
0.5693

 76.5109, 0.3382,
0.5693


483.0948, 0.3388,
0.4554

 56.8515, 0.3343,
0.5936


 128.4488, 0.3414,
0.5307

 40.8861, 0.3275,
0.6219

 161.4962, 0.3418,
0.5153


 28.2301, 0.3160,
0.6547


 199.7750, 0.3417,
0.5019

 18.4992, 0.3000,
0.6988

 243.6697, 0.3413,
0.4902

 11.3089, 0.2665,
0.7335

 293.5646, 0.3408,
0.4799

 6.2750, 0.2194,
0.7806


 349.8442, 0.3402,


 3.0130, 0.1413,


0.4708


0.8587


412.8928, 0.3395,
0.4627


 1.1385, 0.0000,
1.0000


 0.0106, 0.0000,
1.0000


 76.5109, 0.3382,
0.5693


 76.5109, 0.3382,
0.5693


 76.4277, 0.3377,
0.5700

 77.6521, 0.3434,
0.5590


 79.0096, 0.3468,
0.5433

 80.6165, 0.3480,
0.5222


 82.4936, 0.3468,
0.4966

 84.6588, 0.3436,
0.4681

 87.1281, 0.3388,
0.4382

 89.9163, 0.3329,
0.4083

 93.0367, 0.3262,
0.3794

 96.5020, 0.3192,
0.3522

Harmonies

Analogous

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



76.5109, 0.4450, 0.5157



76.5109, 0.3382, 0.5693



76.5109, 0.2308, 0.5107

Triad

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



76.5109, 0.3382, 0.5693



76.5109, 0.1243, 0.1736



76.5109, 0.4919, 0.2746

Complementary

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



76.5109, 0.3382, 0.5693



11.5518, 0.1978, 0.0866

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.



76.5109, 0.3646, 0.2115



76.5109, 0.3382, 0.5693



76.5109, 0.1630, 0.1562

Square

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



76.5109, 0.3382, 0.5693



76.5109, 0.1194, 0.2346



76.5109, 0.2425, 0.1700



76.5109, 0.5541, 0.3478

Rectangle

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



76.5109, 0.3382, 0.5693



76.5109, 0.1734, 0.4109



76.5109, 0.2425, 0.1700



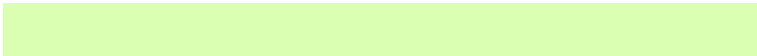
76.5109, 0.4534, 0.2519

Sweetspot

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



76.5142, 0.3382, 0.5693



89.6782, 0.3334, 0.4107



34.7245, 0.5519, 0.3994



18.9371, 0.3360, 0.4233



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.



76.5142, 0.3382, 0.5693



76.4305, 0.3377, 0.5700



71.5899, 0.3005, 0.5992



20.6308, 0.3194, 0.3530



40.0260, 0.3389, 0.5691



3.9622, 0.3473, 0.5624

Inverse Universe

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



11.5518, 0.1978, 0.0866



11.4264, 0.1970, 0.0859



26.9605, 0.3125, 0.1497



17.8074, 0.3055, 0.3050



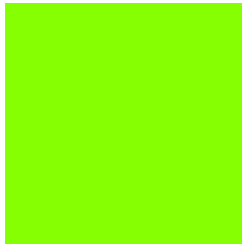
6.0584, 0.1987, 0.0868



0.6545, 0.2110, 0.0936

Previews

White Background



This preview shows how the Yxy color 76.5109, 0.3382, 0.5693 looks on a white background.

Color Contrast Check

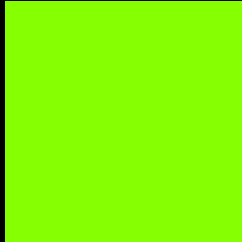
Large Text (above 18pt) WCAG AA × Fail

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 76.5109, 0.3382, 0.5693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

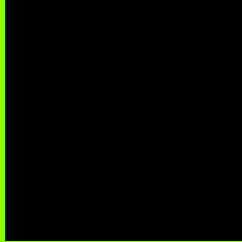
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

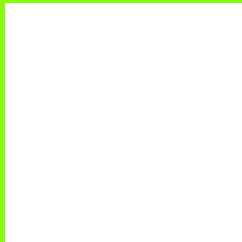
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5109, 0.3382, 0.5693

Background



This preview shows how black text looks on a background with the Yxy color 76.5109, 0.3382, 0.5693.



This preview shows how white text looks on a background with the Yxy color 76.5109, 0.3382, 0.5693.

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

76.5109, 0.3382, 0.5693

Protanopia

75.4635, 0.4405, 0.4884

Deuteranopia

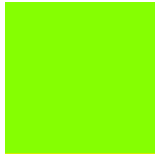
75.3487, 0.3740, 0.3803



Tritanopia

76.1132, 0.2616, 0.3088

Trichromacy



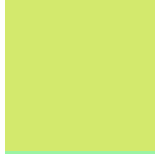
Original Color

76.5109, 0.3382, 0.5693



Protanomaly

74.2722, 0.3991, 0.5212



Deuteranomaly

73.2308, 0.3731, 0.4650



Tritanomaly

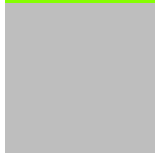
74.3143, 0.3033, 0.4295

Monochromacy



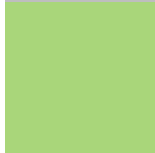
Original Color

76.5109, 0.3382, 0.5693



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.9333, 0.3401, 0.4486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5109, 0.3382, 0.5693 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(133, 255, 2)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 2)  
}
```

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(133, 255, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 2) }
```

Border

The CSS property to change the border of an element to Yxy 76.5109, 0.3382, 0.5693 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(133, 255, 2) }
```

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

```
.border{ border-color:rgb(133, 255, 2) }
```

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

Here you see how a box with a 4 pixel rgb(133, 255, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 2);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5109, 0.3382, 0.5693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 2) }
```

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

```
.background{ background-color: rgb(133,  
255, 2) }
```

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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