

Converting Colors

$Yxy(76.6477, 0.3315, 0.5542)$

Have a look what the booklet for
Yxy(76.6477, 0.3315, 0.5542)
contains.

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Color

Yxy(76.6116, 0.3312, 0.5541)

Conversions

Conversions Part 1

Format	Color
Hex	83FF36
RGB	131, 255, 54
RGB Percent	51%, 100%, 21%
CMY	0.4860, 0.0000, 0.7884
CMYK	0.49, 0.00, 0.79, 0.00
HSL	97°, 100%, 61%
HSV	97°, 79%, 100%
XYZ	45.7927, 76.6116, 15.8588
YIQ	195.0100, -9.3830, -88.7990

Conversions

Conversions Part 2

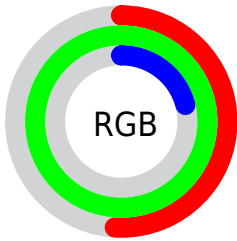
Format	Color
RYB	54, 255, 178
Decimal	8650550
CIELab	90.14, -65.54, 77.78
CIElCh	90, 101.707, 130.119
Yxy	76.6116, 0.3312, 0.5541
Android (android.graphics.Color)	4286840630 (0xFF83FF36)
YUV	195.0100, -69.5179, -56.1368
Hunter-Lab	87.5281, -59.7868, 50.5272

Details

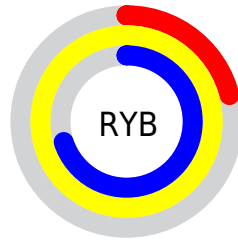
The Yxy color **76.6116, 0.3312, 0.5541** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **19.3080, 0.2459, 0.1259**, and the grayscale version is **55.0150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1418, 0.3484, 0.4809**, and **41.0225, 0.3161, 0.5872** is the 20% darker color. If you saturate the color by 10%, you get **75.2727, 0.3271, 0.5713**, and if you desaturate by 10%, it is **78.2729, 0.3335, 0.5308**.

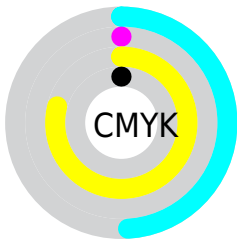
Distribution



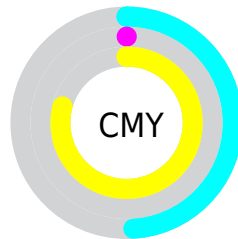
- Red (51%)
- Green (100%)
- Blue (21%)



- Red (21%)
- Yellow (100%)
- Blue (70%)



- Cyan (49%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6116, 0.3312, 0.5541 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 76.6116, 0.3312, 0.5541 by changing the saturation by 10% instead.


 76.6116, 0.3312,
0.5541


 76.6116, 0.3312,
0.5541


483.4387, 0.3326,
0.4458

 56.9342, 0.3278,
0.5781


 128.5911, 0.3341,
0.5167

 40.9524, 0.3220,
0.6066


 161.6619, 0.3345,
0.5021


 28.2819, 0.3121,
0.6406


 199.9659, 0.3345,
0.4894

 18.5383, 0.2960,
0.6817

 243.8876, 0.3344,
0.4784

 11.3371, 0.2693,
0.7307

 293.8114, 0.3340,
0.4687

 6.2941, 0.2227,
0.7773


350.1215, 0.3336,


 3.0247, 0.1466,


0.4602


0.8534

413.2025, 0.3331,
0.4526

 1.1446, 0.0000,
1.0000


 0.0158, 0.0000,
1.0000


 76.6116, 0.3312,
0.5541


 76.6116, 0.3312,
0.5541


 75.2727, 0.3271,
0.5713


 78.2729, 0.3335,
0.5308

 74.2128, 0.3216,
0.5823

 80.2720, 0.3340,
0.5029

 74.1037, 0.3210,
0.5833

 82.6343, 0.3327,
0.4721

 85.3796, 0.3300,
0.4403

 88.5263, 0.3263,
0.4089

 92.0913, 0.3218,
0.3791

 96.0904, 0.3171,
0.3514

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



76.6116, 0.4337, 0.5143



76.6116, 0.3312, 0.5541



76.6116, 0.2293, 0.4875

Triad

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



76.6116, 0.3312, 0.5541



76.6116, 0.1342, 0.1787



76.6116, 0.4888, 0.2840

Complementary

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



76.6116, 0.3312, 0.5541



19.3080, 0.2459, 0.1259

Split Complementary

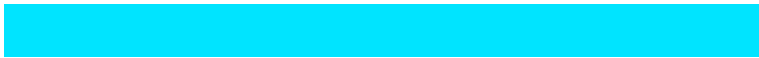
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6116, 0.3725, 0.2217



76.6116, 0.3312, 0.5541



76.6116, 0.1748, 0.1640

Square

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



76.6116, 0.3312, 0.5541



76.6116, 0.1272, 0.2341



76.6116, 0.2549, 0.1795



76.6116, 0.5417, 0.3558

Rectangle

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



76.6116, 0.3312, 0.5541



76.6116, 0.1760, 0.3938



76.6116, 0.2549, 0.1795



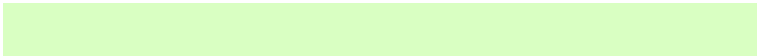
76.6116, 0.4543, 0.2617

Sweetspot

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



76.6149, 0.3312, 0.5541



90.1994, 0.3242, 0.3942



52.0242, 0.4775, 0.4346



19.0408, 0.3257, 0.4050



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.



76.6149, 0.3312, 0.5541



74.5917, 0.3238, 0.5787



72.7970, 0.2967, 0.5607



20.5076, 0.3174, 0.3532



38.8009, 0.3221, 0.5824



3.8384, 0.3309, 0.5755

Inverse Universe

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



19.3080, 0.2459, 0.1259



15.1925, 0.2298, 0.1054



29.8868, 0.3411, 0.1772



17.9322, 0.3076, 0.3051



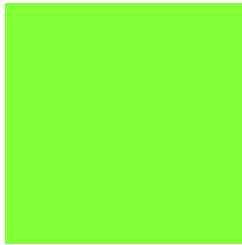
7.6173, 0.2266, 0.1022



0.8046, 0.2372, 0.1080

Previews

White Background



This preview shows how the Yxy color 76.6116, 0.3312, 0.5541 looks on a white background.

Color Contrast Check

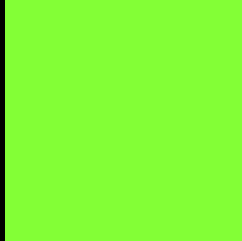
Large Text (above 18pt) WCAG AA × Fail

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 76.6116, 0.3312, 0.5541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

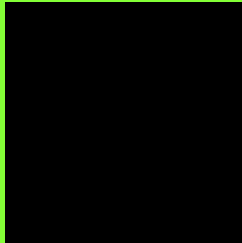
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

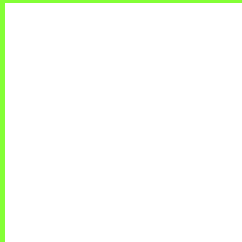
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6116, 0.3312, 0.5541

Background



This preview shows how black text looks on a background with the Yxy color 76.6116, 0.3312, 0.5541.



This preview shows how white text looks on a background with the Yxy color 76.6116, 0.3312, 0.5541.

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

76.6116, 0.3312, 0.5541

Protanopia

75.4726, 0.4337, 0.4800

Deuteranopia

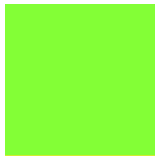
75.3867, 0.3733, 0.3793



Tritanopia

76.1132, 0.2616, 0.3088

Trichromacy



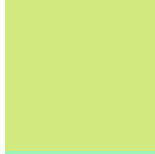
Original Color

76.6116, 0.3312, 0.5541



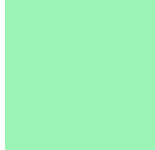
Protanomaly

74.3454, 0.3921, 0.5102



Deuteranomaly

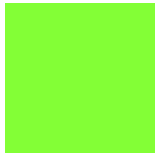
73.5380, 0.3621, 0.4467



Tritanomaly

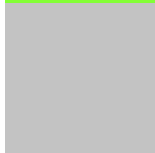
75.0473, 0.2932, 0.4051

Monochromacy



Original Color

76.6116, 0.3312, 0.5541



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

60.4100, 0.3280, 0.4229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6116, 0.3312, 0.5541 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(131, 255, 54)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 54)  
}
```

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(131, 255, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 54) }
```

Border

The CSS property to change the border of an element to Yxy 76.6116, 0.3312, 0.5541 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(131, 255, 54) }
```

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

```
.border{ border-color:rgb(131, 255, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 54);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6116, 0.3312, 0.5541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 54) }
```

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

```
.background{ background-color: rgb(131,  
255, 54) }
```

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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