

Converting Colors

Yxy(81.7914, 0.3454, 0.5027)

Have a look what the booklet for
Yxy(81.7914, 0.3454, 0.5027)
contains.

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Color

Yxy(81.7680, 0.3454, 0.5031)

Conversions

Conversions Part 1

Format	Color
Hex	B1FF63
RGB	177, 255, 99
RGB Percent	69%, 100%, 39%
CMY	0.3060, 0.0000, 0.6118
CMYK	0.31, 0.00, 0.61, 0.00
HSL	90°, 100%, 69%
HSV	90°, 61%, 100%
XYZ	56.1373, 81.7680, 24.6230
YIQ	213.8940, 3.5880, -65.0520

Conversions

Conversions Part 2

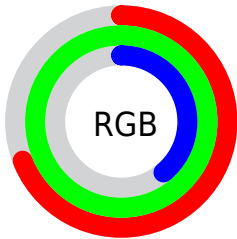
Format	Color
RYB	99, 255, 177
Decimal	11665251
CIELab	92.47, -48.04, 65.17
CIELCh	92, 80.967, 126.398
Yxy	81.7680, 0.3454, 0.5031
Android (android.graphics.Color)	4289855331 (0xFFB1FF63)
YUV	213.8940, -56.6427, -32.3560
Hunter-Lab	90.4257, -47.4301, 47.1532

Details

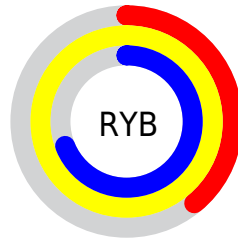
The Yxy color **81.7680, 0.3454, 0.5031** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **25.4895, 0.2486, 0.1559**, and the grayscale version is **67.5479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7194, 0.3586, 0.4313**, and **44.4633, 0.3448, 0.5439** is the 20% darker color. If you saturate the color by 10%, you get **79.9227, 0.3459, 0.5282**, and if you desaturate by 10%, it is **83.8988, 0.3429, 0.4747**.

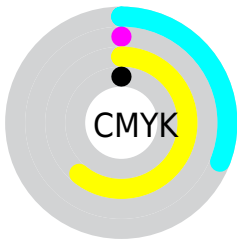
Distribution



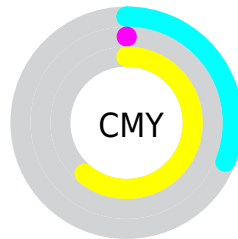
- Red (69%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (69%)



- Cyan (31%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7680, 0.3454, 0.5031 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 81.7680, 0.3454, 0.5031 by changing the saturation by 10% instead.


 81.7680, 0.3454,
0.5031


 81.7680, 0.3454,
0.5031


500.8713, 0.3362,
0.4207

 61.1743, 0.3457,
0.5215


 135.8486, 0.3436,
0.4747


 44.3659, 0.3450,
0.5437


 170.1043, 0.3425,
0.4635

 30.9582, 0.3426,
0.5708


 209.6829, 0.3414,
0.4539

 20.5671, 0.3369,
0.6040

 254.9686, 0.3403,
0.4455

 12.8079, 0.3256,
0.6460

306.3459, 0.3392,
0.4382

 7.2964, 0.3027,
0.6973

364.1992, 0.3381,

 3.6482, 0.2541,

0.4317

0.7459

428.9129, 0.3372,
0.4259

■ 1.4788, 0.0862,
0.9138

■ 0.2737, 0.0000,
1.0000

■ 81.7680, 0.3454,
0.5031

■ 81.7680, 0.3454,
0.5031

■ 79.9227, 0.3459,
0.5282

■ 83.8988, 0.3429,
0.4747

■ 78.3566, 0.3441,
0.5486

■ 86.3444, 0.3387,
0.4447

■ 77.0435, 0.3401,
0.5634

■ 89.1160, 0.3332,
0.4145

■ 76.0675, 0.3352,
0.5720

■ 92.2275, 0.3270,
0.3852

95.6921, 0.3203,
0.3575

99.5222, 0.3135,
0.3319

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.



81.7680, 0.4273, 0.4767



81.7680, 0.3454, 0.5031



81.7680, 0.2595, 0.4585

Triad

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



81.7680, 0.3454, 0.5031



81.7680, 0.1619, 0.2113



81.7680, 0.4412, 0.2883

Complementary

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



81.7680, 0.3454, 0.5031



25.4895, 0.2486, 0.1559

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.



81.7680, 0.3489, 0.2360



81.7680, 0.3454, 0.5031



81.7680, 0.1939, 0.1926

Square

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



81.7680, 0.3454, 0.5031



81.7680, 0.1608, 0.2654



81.7680, 0.2578, 0.2022



81.7680, 0.4928, 0.3505

Rectangle

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



81.7680, 0.3454, 0.5031



81.7680, 0.2118, 0.3937



81.7680, 0.2578, 0.2022



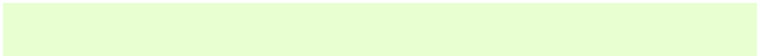
81.7680, 0.4129, 0.2693

Sweetspot

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



81.7638, 0.3454, 0.5031



93.2914, 0.3249, 0.3762



53.6015, 0.4491, 0.4066



19.7597, 0.3268, 0.3844



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.



81.7638, 0.3454, 0.5031



79.6183, 0.3457, 0.5323



75.0722, 0.3034, 0.5278



20.6141, 0.3192, 0.3530



39.8356, 0.3364, 0.5711



3.9436, 0.3450, 0.5643

Inverse Universe

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



25.4895, 0.2486, 0.1559



19.1344, 0.2327, 0.1270



37.4005, 0.3194, 0.1874



17.8240, 0.3058, 0.3050



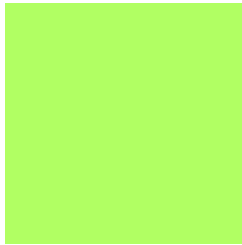
6.2407, 0.2021, 0.0887



0.6726, 0.2144, 0.0954

Previews

White Background



This preview shows how the Yxy color 81.7680, 0.3454, 0.5031 looks on a white background.

Color Contrast Check

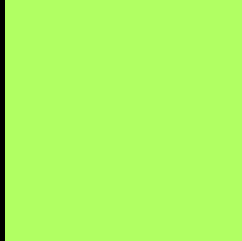
Large Text (above 18pt) WCAG AA × Fail

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 81.7680, 0.3454, 0.5031 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 81.7680, 0.3454, 0.5031

Background



This preview shows how black text looks on a background with the Yxy color 81.7680, 0.3454, 0.5031.

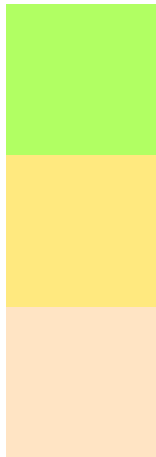


This preview shows how white text looks on a background with the Yxy color 81.7680, 0.3454, 0.5031.

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

81.7680, 0.3454, 0.5031

Protanopia

81.0701, 0.3966, 0.4333

Deuteranopia

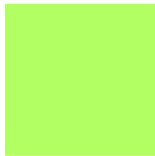
80.7323, 0.3535, 0.3615



Tritanopia

81.2064, 0.2816, 0.3110

Trichromacy



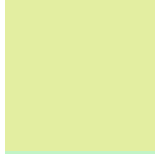
Original Color

81.7680, 0.3454, 0.5031



Protanomaly

80.5258, 0.3775, 0.4582



Deuteranomaly

80.0532, 0.3535, 0.4120



Tritanomaly

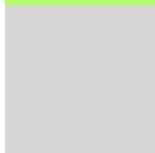
80.2479, 0.3077, 0.3812

Monochromacy



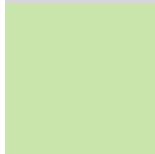
Original Color

81.7680, 0.3454, 0.5031



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.4347, 0.3296, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7680, 0.3454, 0.5031 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(177, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 99)  
}
```

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(177, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 99) }
```

Border

The CSS property to change the border of an element to Yxy 81.7680, 0.3454, 0.5031 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(177, 255, 99) }
```

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

```
.border{ border-color:rgb(177, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7680, 0.3454, 0.5031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 99) }
```

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

```
.background{ background-color: rgb(177,  
255, 99) }
```

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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