

Converting Colors

Yxy(81.8134, 0.3491, 0.5085)

Have a look what the booklet for
Yxy(81.8134, 0.3491, 0.5085)
contains.

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Color

Yxy(81.8764, 0.3493, 0.5082)

Conversions

Conversions Part 1

Format	Color
Hex	B3FF5C
RGB	179, 255, 92
RGB Percent	70%, 100%, 36%
CMY	0.2982, 0.0000, 0.6393
CMYK	0.30, 0.00, 0.64, 0.00
HSL	88°, 100%, 68%
HSV	88°, 64%, 100%
XYZ	56.2759, 81.8764, 22.9583
YIQ	213.6940, 7.0270, -66.8050

Conversions

Conversions Part 2

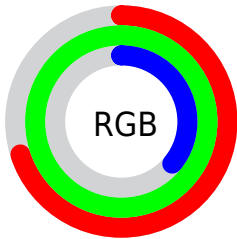
Format	Color
RYB	92, 255, 168
Decimal	11796316
CIELab	92.52, -47.91, 68.06
CIELCh	93, 83.233, 125.139
Yxy	81.8764, 0.3493, 0.5082
Android (android.graphics.Color)	4289986396 (0xFFB3FF5C)
YUV	213.6940, -59.9951, -30.4266
Hunter-Lab	90.4856, -47.3348, 48.2967

Details

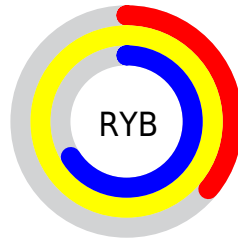
The Yxy color **81.8764, 0.3493, 0.5082** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **23.1984, 0.2402, 0.1465**, and the grayscale version is **67.4275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8353, 0.3638, 0.4375**, and **44.5418, 0.3489, 0.5491** is the 20% darker color. If you saturate the color by 10%, you get **80.1426, 0.3496, 0.5315**, and if you desaturate by 10%, it is **83.8742, 0.3468, 0.4812**.

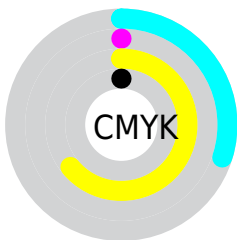
Distribution



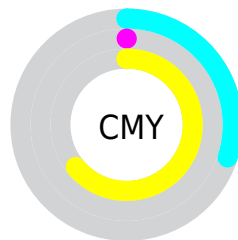
- Red (70%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (66%)



- Cyan (30%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8764, 0.3493, 0.5082 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 81.8764, 0.3493, 0.5082 by changing the saturation by 10% instead.


 81.8764, 0.3493,
0.5082


 81.8764, 0.3493,
0.5082


501.2342, 0.3389,
0.4238

 61.2637, 0.3497,
0.5268


 136.0007, 0.3472,
0.4792


 44.4380, 0.3491,
0.5492


 170.2810, 0.3460,
0.4678

 31.0150, 0.3465,
0.5763


 209.8859, 0.3447,
0.4580

 20.6103, 0.3404,
0.6091

 255.1999, 0.3434,
0.4494

 12.8394, 0.3294,
0.6520

306.6073, 0.3422,
0.4418

 7.3181, 0.3034,
0.6966


364.4926, 0.3410,


 3.6618, 0.2550,

0.4351


0.7450

429.2401, 0.3399,
0.4292

 1.4862, 0.0905,
0.9095


 0.2790, 0.0000,
1.0000


 81.8764, 0.3493,
0.5082

 81.8764, 0.3493,
0.5082


 80.1426, 0.3496,
0.5315

 83.8742, 0.3468,
0.4812


 78.6664, 0.3475,
0.5500

 86.1648, 0.3425,
0.4520

 77.4212, 0.3433,
0.5628

 88.7591, 0.3367,
0.4222

 76.7596, 0.3400,
0.5683

 91.6708, 0.3301,
0.3928

■ 94.9126, 0.3229,
0.3648

■ 98.4965, 0.3156,
0.3387

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.



81.8764, 0.4326, 0.4776



81.8764, 0.3493, 0.5082



81.8764, 0.2612, 0.4661

Triad

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



81.8764, 0.3493, 0.5082



81.8764, 0.1580, 0.2099



81.8764, 0.4412, 0.2845

Complementary

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



81.8764, 0.3493, 0.5082



23.1984, 0.2402, 0.1465

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.



81.8764, 0.3455, 0.2320



81.8764, 0.3493, 0.5082



81.8764, 0.1892, 0.1898

Square

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



81.8764, 0.3493, 0.5082



81.8764, 0.1581, 0.2666



81.8764, 0.2529, 0.1986



81.8764, 0.4966, 0.3476

Rectangle

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



81.8764, 0.3493, 0.5082



81.8764, 0.2117, 0.4001



81.8764, 0.2529, 0.1986



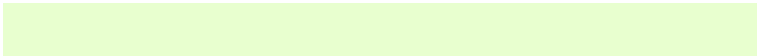
81.8764, 0.4117, 0.2654

Sweetspot

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



81.8723, 0.3493, 0.5082



93.2262, 0.3266, 0.3788



49.0662, 0.4633, 0.4010



19.7589, 0.3286, 0.3869



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.



81.8723, 0.3493, 0.5082



79.6631, 0.3492, 0.5378



75.0095, 0.3062, 0.5346



20.6453, 0.3197, 0.3530



40.1983, 0.3411, 0.5673



3.9790, 0.3494, 0.5607

Inverse Universe

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



23.1984, 0.2402, 0.1465



16.8180, 0.2219, 0.1158



34.6184, 0.3120, 0.1794



17.7930, 0.3052, 0.3050



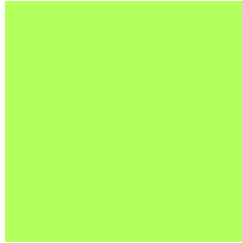
5.9064, 0.1957, 0.0852



0.6394, 0.2082, 0.0920

Previews

White Background



This preview shows how the Yxy color 81.8764, 0.3493, 0.5082 looks on a white background.

Color Contrast Check

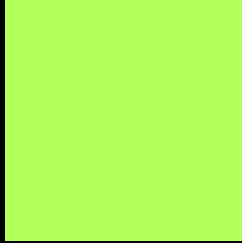
Large Text (above 18pt) WCAG AA × Fail

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 81.8764, 0.3493, 0.5082 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

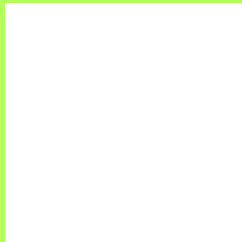
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8764, 0.3493, 0.5082

Background



This preview shows how black text looks on a background with the Yxy color 81.8764, 0.3493, 0.5082.

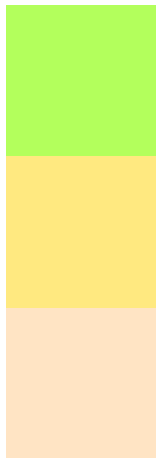


This preview shows how white text looks on a background with the Yxy color 81.8764, 0.3493, 0.5082.

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

81.8764, 0.3493, 0.5082

Protanopia

81.0963, 0.3961, 0.4324

Deuteranopia

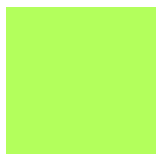
80.7323, 0.3535, 0.3615



Tritanopia

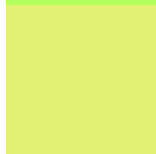
81.3482, 0.2821, 0.3110

Trichromacy



Original Color

81.8764, 0.3493, 0.5082



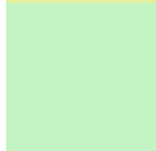
Protanomaly

80.4793, 0.3785, 0.4600



Deuteranomaly

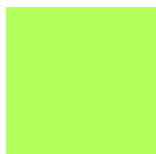
79.9486, 0.3554, 0.4152



Tritanomaly

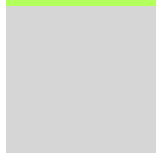
80.4227, 0.3102, 0.3833

Monochromacy



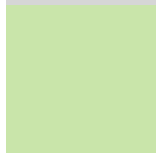
Original Color

81.8764, 0.3493, 0.5082



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.3584, 0.3309, 0.3978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8764, 0.3493, 0.5082 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(179, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 92)  
}
```

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(179, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 92) }
```

Border

The CSS property to change the border of an element to Yxy 81.8764, 0.3493, 0.5082 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(179, 255, 92) }
```

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

```
.border{ border-color:rgb(179, 255, 92) }
```

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

Here you see how a box with a 4 pixel rgb(179, 255, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8764, 0.3493, 0.5082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 92) }
```

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

```
.background{ background-color: rgb(179,  
255, 92) }
```

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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