

Converting Colors

Yxy(81.8606, 0.3454, 0.5019)

Have a look what the booklet for
Yxy(81.8606, 0.3454, 0.5019)
contains.

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Color

Yxy(81.9051, 0.3457, 0.5018)

Conversions

Conversions Part 1

Format	Color
Hex	B2FF64
RGB	178, 255, 100
RGB Percent	70%, 100%, 39%
CMY	0.3018, 0.0000, 0.6078
CMYK	0.30, 0.00, 0.61, 0.00
HSL	90°, 100%, 70%
HSV	90°, 61%, 100%
XYZ	56.4261, 81.9051, 24.8914
YIQ	214.3070, 3.8630, -64.5290

Conversions

Conversions Part 2

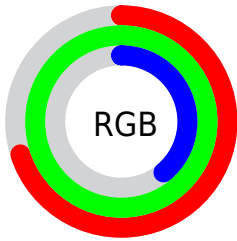
Format	Color
RYB	100, 255, 177
Decimal	11730788
CIELab	92.53, -47.59, 64.84
CIELCh	93, 80.425, 126.278
Yxy	81.9051, 0.3457, 0.5018
Android (android.graphics.Color)	4289920868 (0xFFB2FF64)
YUV	214.3070, -56.3534, -31.8412
Hunter-Lab	90.5014, -47.0859, 47.0439

Details

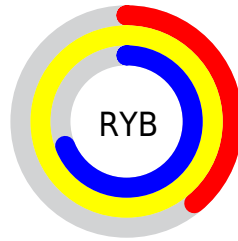
The Yxy color **81.9051, 0.3457, 0.5018** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **25.6783, 0.2486, 0.1567**, and the grayscale version is **67.8546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9248, 0.3587, 0.4300**, and **44.5413, 0.3453, 0.5426** is the 20% darker color. If you saturate the color by 10%, you get **80.0600, 0.3463, 0.5270**, and if you desaturate by 10%, it is **84.0501, 0.3430, 0.4734**.

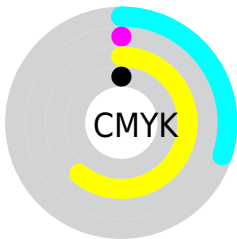
Distribution



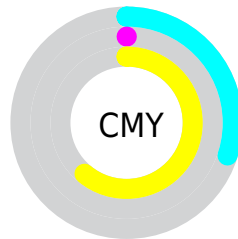
- Red (70%)
- Green (100%)
- Blue (39%)



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



- Cyan (30%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9051, 0.3457, 0.5018 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 81.9051, 0.3457, 0.5018 by changing the saturation by 10% instead.


 81.9051, 0.3457,
0.5018

 81.9051, 0.3457,
0.5018


501.3302, 0.3363,
0.4201

 61.2873, 0.3461,
0.5201


 136.0409, 0.3438,
0.4736


 44.4571, 0.3455,
0.5421


 170.3277, 0.3427,
0.4626

 31.0300, 0.3433,
0.5690


 209.9397, 0.3415,
0.4530

 20.6217, 0.3378,
0.6020

 255.2611, 0.3404,
0.4447

 12.8478, 0.3267,
0.6435

306.6765, 0.3393,
0.4374

 7.3238, 0.3047,
0.6953

364.5703, 0.3382,

 3.6654, 0.2566,

0.4310

0.7434

429.3267, 0.3372,
0.4252

■ 1.4882, 0.0955,
0.9045

■ 0.2804, 0.0000,
1.0000

■ 81.9051, 0.3457,
0.5018

■ 81.9051, 0.3457,
0.5018

■ 80.0600, 0.3463,
0.5270

■ 84.0501, 0.3430,
0.4734

■ 78.4854, 0.3446,
0.5476


■ 86.5009, 0.3387,
0.4434

■ 77.1630, 0.3408,
0.5625

■ 89.2762, 0.3332,
0.4133

■ 76.1380, 0.3357,
0.5716

■ 92.3899, 0.3268,
0.3840

 95.8550, 0.3201,
0.3564

99.6839, 0.3132,
0.3309

99.9996, 0.3127,
0.3290

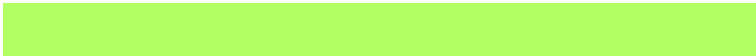
Harmonies

Analogous

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



81.9051, 0.4271, 0.4756



81.9051, 0.3457, 0.5018



81.9051, 0.2603, 0.4577

Triad

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



81.9051, 0.3457, 0.5018



81.9051, 0.1627, 0.2122



81.9051, 0.4399, 0.2883

Complementary

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



81.9051, 0.3457, 0.5018



25.6783, 0.2486, 0.1567

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.



81.9051, 0.3483, 0.2364



81.9051, 0.3457, 0.5018



81.9051, 0.1944, 0.1934

Square

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



81.9051, 0.3457, 0.5018



81.9051, 0.1617, 0.2662



81.9051, 0.2579, 0.2029



81.9051, 0.4915, 0.3503

Rectangle

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



81.9051, 0.3457, 0.5018



81.9051, 0.2127, 0.3936



81.9051, 0.2579, 0.2029



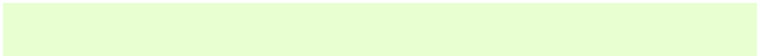
81.9051, 0.4119, 0.2695

Sweetspot

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



81.9087, 0.3457, 0.5018



93.3190, 0.3250, 0.3761



52.8080, 0.4499, 0.4037



19.7664, 0.3269, 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.



81.9087, 0.3457, 0.5018



79.6885, 0.3461, 0.5320



75.2989, 0.3045, 0.5258



20.6174, 0.3192, 0.3530



39.8729, 0.3369, 0.5707



3.9472, 0.3454, 0.5639

Inverse Universe

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



25.6783, 0.2486, 0.1567



19.0646, 0.2322, 0.1267



37.1081, 0.3169, 0.1870



17.8207, 0.3057, 0.3050



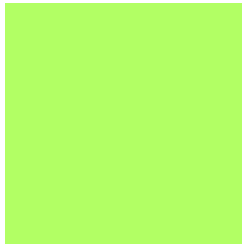
6.2038, 0.2014, 0.0883



0.6689, 0.2137, 0.0951

Previews

White Background



This preview shows how the Yxy color 81.9051, 0.3457, 0.5018 looks on a white background.

Color Contrast Check

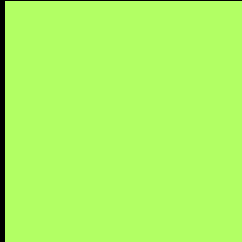
Large Text (above 18pt) WCAG AA × Fail

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 81.9051, 0.3457, 0.5018 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

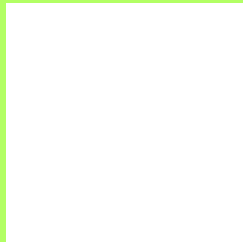
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.9051, 0.3457, 0.5018

Background



This preview shows how black text looks on a background with the Yxy color 81.9051, 0.3457, 0.5018.

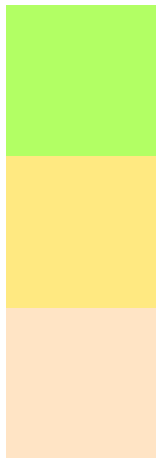


This preview shows how white text looks on a background with the Yxy color 81.9051, 0.3457, 0.5018.

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

81.9051, 0.3457, 0.5018

Protanopia

81.1228, 0.3955, 0.4316

Deuteranopia

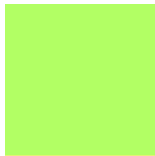
80.7780, 0.3528, 0.3605



Tritanopia

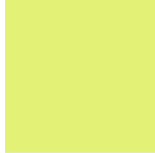
81.3482, 0.2821, 0.3110

Trichromacy



Original Color

81.9051, 0.3457, 0.5018



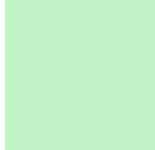
Protanomaly

80.5495, 0.3770, 0.4573



Deuteranomaly

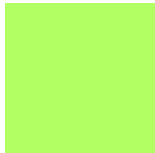
80.0886, 0.3529, 0.4110



Tritanomaly

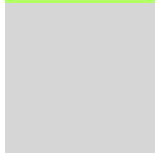
80.4270, 0.3078, 0.3799

Monochromacy



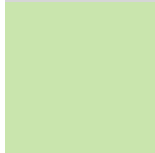
Original Color

81.9051, 0.3457, 0.5018



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.4733, 0.3290, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9051, 0.3457, 0.5018 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(178, 255, 100)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 100)  
}
```

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(178, 255, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 100) }
```

Border

The CSS property to change the border of an element to Yxy 81.9051, 0.3457, 0.5018 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(178, 255, 100) }
```

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

```
.border{ border-color:rgb(178, 255, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 100);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9051, 0.3457, 0.5018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 100) }
```

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

```
.background{ background-color: rgb(178,  
255, 100) }
```

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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