

Converting Colors

$Y_{xy}(111.6654, 0.3276, 0.5041)$

Have a look what the booklet for
Yxy(111.6654, 0.3276, 0.5041)
contains.

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Color

Yxy(82.5844, 0.3357, 0.4776)

Conversions

Conversions Part 1

Format	Color
Hex	B3FF7D
RGB	179, 255, 125
RGB Percent	70%, 100%, 49%
CMY	0.2981, 0.0000, 0.5098
CMYK	0.30, 0.00, 0.51, 0.00
HSL	95°, 100%, 75%
HSV	95°, 51%, 100%
XYZ	58.0477, 82.5844, 32.2833
YIQ	217.4560, -3.5660, -56.5420

Conversions

Conversions Part 2

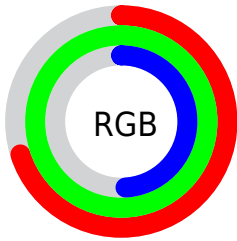
Format	Color
RYB	125, 255, 201
Decimal	11796349
CIELab	92.83, -44.89, 54.28
CIElCh	93, 70.436, 129.592
Yxy	82.5844, 0.3357, 0.4776
Android (android.graphics.Color)	4289986429 (0xFFB3FF7D)
YUV	217.4560, -45.5808, -33.7259
Hunter-Lab	90.8760, -45.0147, 42.5506

Details

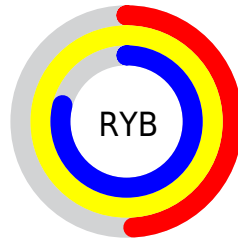
The Yxy color **82.5844, 0.3357, 0.4776** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **34.3101, 0.2713, 0.1881**, and the grayscale version is **70.0325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8198, 0.3451, 0.4059**, and **44.9807, 0.3358, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **80.3295, 0.3370, 0.5074**, and if you desaturate by 10%, it is **85.1928, 0.3328, 0.4463**.

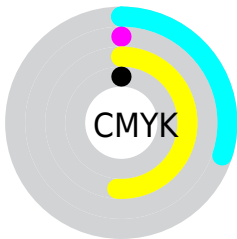
Distribution



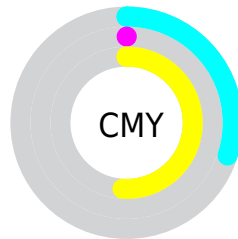
- Red (70%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (79%)



- Cyan (30%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5844, 0.3357, 0.4776 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 82.5844, 0.3357, 0.4776 by changing the saturation by 10% instead.


 82.5844, 0.3357,
0.4776


 82.5844, 0.3357,
0.4776


503.6004, 0.3290,
0.4068


 61.8474, 0.3361,
0.4938


 136.9932, 0.3343,
0.4529

 44.9094, 0.3358,
0.5137


 171.4338, 0.3335,
0.4433

 31.3860, 0.3345,
0.5384

 211.2110, 0.3327,
0.4351

 20.8930, 0.3311,
0.5698


256.7093, 0.3319,
0.4279

 13.0458, 0.3232,
0.6101

308.3129, 0.3311,
0.4217

 7.4601, 0.3117,
0.6736


366.4064, 0.3304,


 3.7515, 0.2714,


0.4161


0.7286


431.3741, 0.3297,
0.4112


 1.5355, 0.1421,
0.8579


 0.3135, 0.0000,
1.0000


 82.5844, 0.3357,
0.4776


 82.5844, 0.3357,
0.4776

 80.3295, 0.3370,
0.5074


 85.1928, 0.3328,
0.4463


 78.4179, 0.3365,
0.5340


 88.1810, 0.3287,
0.4151

 76.8252, 0.3340,
0.5557

 91.5625, 0.3239,
0.3851

 75.5266, 0.3296,
0.5714

 95.3522, 0.3187,
0.3571

 74.5761, 0.3245,
0.5805

99.5646, 0.3132,
0.3314

100.0000, 0.3127,
0.3290

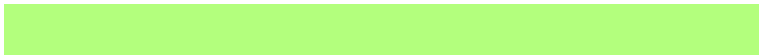
Harmonies

Analogous

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



82.5844, 0.4092, 0.4645



82.5844, 0.3357, 0.4776



82.5844, 0.2602, 0.4314

Triad

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



82.5844, 0.3357, 0.4776



82.5844, 0.1798, 0.2223



82.5844, 0.4312, 0.2998

Complementary

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



82.5844, 0.3357, 0.4776



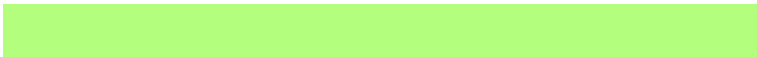
34.3101, 0.2713, 0.1881

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.



82.5844, 0.3540, 0.2509



82.5844, 0.3357, 0.4776



82.5844, 0.2122, 0.2073

Square

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



82.5844, 0.3357, 0.4776



82.5844, 0.1762, 0.2681



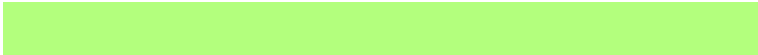
82.5844, 0.2728, 0.2182



82.5844, 0.4715, 0.3572

Rectangle

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



82.5844, 0.3357, 0.4776



82.5844, 0.2190, 0.3754



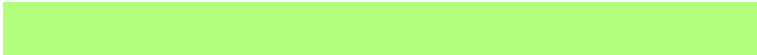
82.5844, 0.2728, 0.2182



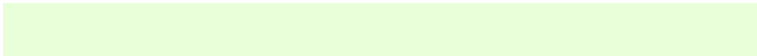
82.5844, 0.4081, 0.2822

Sweetspot

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



82.5814, 0.3357, 0.4776



93.7782, 0.3208, 0.3681



64.4373, 0.4148, 0.4063



19.9016, 0.3219, 0.3740



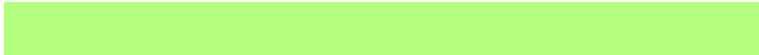
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5814, 0.3357, 0.4776



80.3251, 0.3370, 0.5075



77.6533, 0.3004, 0.4795



20.5365, 0.3179, 0.3531



39.0502, 0.3257, 0.5796



3.8645, 0.3345, 0.5726

Inverse Universe

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



34.3101, 0.2713, 0.1881



27.2306, 0.2602, 0.1614



42.4702, 0.3281, 0.2146



17.9026, 0.3071, 0.3051



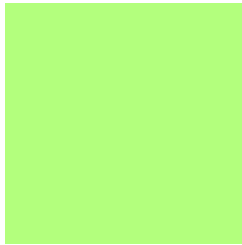
7.2075, 0.2196, 0.0984



0.7659, 0.2308, 0.1045

Previews

White Background



This preview shows how the Yxy color 82.5844, 0.3357, 0.4776 looks on a white background.

Color Contrast Check

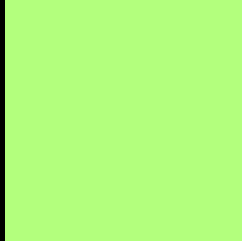
Large Text (above 18pt) WCAG AA × Fail

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 82.5844, 0.3357, 0.4776 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 82.5844, 0.3357, 0.4776

Background



This preview shows how black text looks on a background with the Yxy color 82.5844, 0.3357, 0.4776.

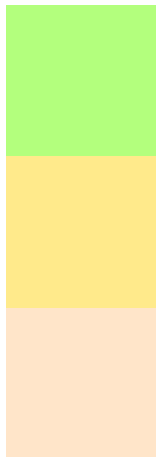


This preview shows how white text looks on a background with the Yxy color 82.5844, 0.3357, 0.4776.

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

82.5844, 0.3357, 0.4776

Protanopia

81.9697, 0.3891, 0.4235

Deuteranopia

81.5157, 0.3498, 0.3574



Tritanopia

82.0748, 0.2828, 0.3121

Trichromacy



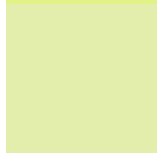
Original Color

82.5844, 0.3357, 0.4776



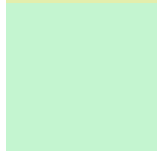
Protanomaly

81.5564, 0.3681, 0.4432



Deuteranomaly

80.4971, 0.3461, 0.3991



Tritanomaly

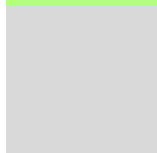
81.5946, 0.3032, 0.3704

Monochromacy



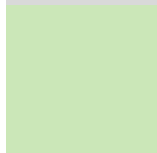
Original Color

82.5844, 0.3357, 0.4776



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.3090, 0.3232, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5844, 0.3357, 0.4776 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 125) }
```

Border

The CSS property to change the border of an element to Yxy 82.5844, 0.3357, 0.4776 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, 125) }
```

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

```
.border{ border-color:rgb(179, 255, 125) }
```

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, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5844, 0.3357, 0.4776 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, 125) }
```

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

```
.background{ background-color: rgb(179,  
255, 125) }
```

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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