

Converting Colors

Yxy(82.3424, 0.3539, 0.5100)

Have a look what the booklet for
Yxy(82.3424, 0.3539, 0.5100)
contains.

Yxy(82.2754, 0.3537, 0.5105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.2754, 0.3537, 0.5105)

Conversions

Conversions Part 1

Format	Color
Hex	B7FF57
RGB	183, 255, 87
RGB Percent	72%, 100%, 34%
CMY	0.2824, 0.0000, 0.6589
CMYK	0.28, 0.00, 0.66, 0.00
HSL	86°, 100%, 67%
HSV	86°, 66%, 100%
XYZ	57.0045, 82.2754, 21.8864
YIQ	214.3200, 11.0160, -67.5120

Conversions

Conversions Part 2

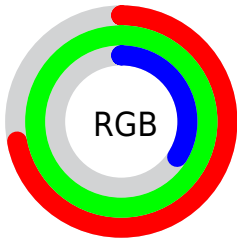
Format	Color
RYB	87, 255, 159
Decimal	12058455
CIELab	92.70, -46.86, 70.25
CIElCh	93, 84.445, 123.705
Yxy	82.2754, 0.3537, 0.5105
Android (android.graphics.Color)	4290248535 (0xFFB7FF57)
YUV	214.3200, -62.7688, -27.4676
Hunter-Lab	90.7058, -46.5559, 49.1880

Details

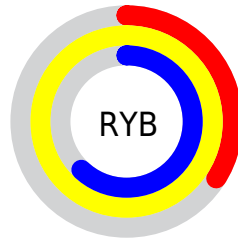
The Yxy color **82.2754, 0.3537, 0.5105** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **21.4023, 0.2321, 0.1390**, and the grayscale version is **67.8913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4109, 0.3687, 0.4401**, and **44.7918, 0.3540, 0.5513** is the 20% darker color. If you saturate the color by 10%, you get **80.6386, 0.3541, 0.5323**, and if you desaturate by 10%, it is **84.1580, 0.3510, 0.4848**.

Distribution



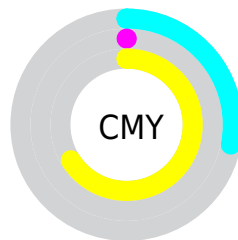
- Red (72%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (62%)



- Cyan (28%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2754, 0.3537, 0.5105 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 82.2754, 0.3537, 0.5105 by changing the saturation by 10% instead.


 82.2754, 0.3537,
0.5105

 82.2754, 0.3537,
0.5105


502.5684, 0.3417,
0.4256

 61.5926, 0.3543,
0.5291


 136.5601, 0.3512,
0.4815

 44.7036, 0.3539,
0.5512


 170.9308, 0.3497,
0.4700

 31.2240, 0.3516,
0.5778


 210.6329, 0.3482,
0.4601

 20.7695, 0.3456,
0.6097

 256.0508, 0.3468,
0.4514

 12.9556, 0.3355,
0.6526

307.5690, 0.3454,
0.4438

 7.3980, 0.3082,
0.6918


365.5717, 0.3441,


 3.7122, 0.2611,

0.4370


0.7389

430.4434, 0.3428,
0.4310


 1.5139, 0.1125,
0.8875


 0.2985, 0.0000,
1.0000


 82.2754, 0.3537,
0.5105

 82.2754, 0.3537,
0.5105

 80.6386, 0.3541,
0.5323


 84.1580, 0.3510,
0.4848

 79.2370, 0.3520,
0.5490


 86.3108, 0.3464,
0.4566


 78.0453, 0.3477,
0.5603

 88.7454, 0.3402,
0.4273

 77.6038, 0.3456,
0.5638

 91.4752, 0.3331,
0.3981

 94.5125, 0.3253,
0.3700

 97.8686, 0.3174,
0.3436

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.



82.2754, 0.4372, 0.4764



82.2754, 0.3537, 0.5105



82.2754, 0.2644, 0.4720

Triad

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



82.2754, 0.3537, 0.5105



82.2754, 0.1558, 0.2104



82.2754, 0.4388, 0.2811

Complementary

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



82.2754, 0.3537, 0.5105



21.4023, 0.2321, 0.1390

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.



82.2754, 0.3409, 0.2289



82.2754, 0.3537, 0.5105



82.2754, 0.1856, 0.1886

Square

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



82.2754, 0.3537, 0.5105



82.2754, 0.1573, 0.2695



82.2754, 0.2483, 0.1963



82.2754, 0.4976, 0.3443

Rectangle

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



82.2754, 0.3537, 0.5105



82.2754, 0.2136, 0.4063



82.2754, 0.2483, 0.1963



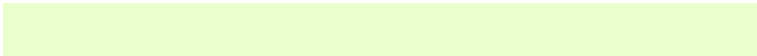
82.2754, 0.4083, 0.2620

Sweetspot

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



82.2727, 0.3537, 0.5105



93.2270, 0.3286, 0.3814



46.0565, 0.4740, 0.3968



19.7727, 0.3307, 0.3893



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.



82.2727, 0.3537, 0.5105



80.1791, 0.3537, 0.5381



74.9730, 0.3081, 0.5392



20.6804, 0.3203, 0.3530



40.6396, 0.3467, 0.5629



4.0214, 0.3546, 0.5566

Inverse Universe

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



21.4023, 0.2321, 0.1390



15.3829, 0.2130, 0.1087



32.7326, 0.3065, 0.1738



17.7584, 0.3046, 0.3049



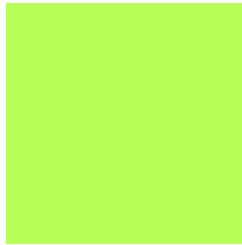
5.5652, 0.1890, 0.0815



0.6048, 0.2016, 0.0884

Previews

White Background



This preview shows how the Yxy color 82.2754, 0.3537, 0.5105 looks on a white background.

Color Contrast Check

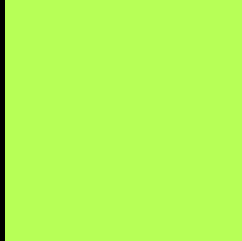
Large Text (above 18pt) WCAG AA × Fail

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 82.2754, 0.3537, 0.5105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

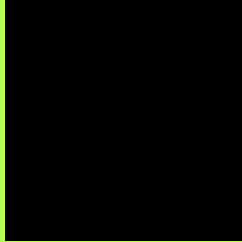
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

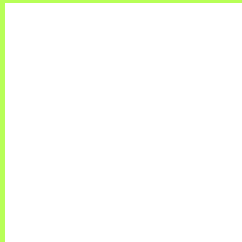
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2754, 0.3537, 0.5105

Background



This preview shows how black text looks on a background with the Yxy color 82.2754, 0.3537, 0.5105.

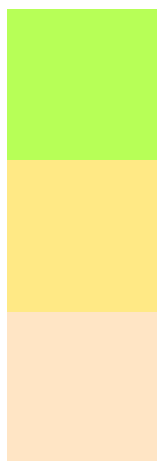


This preview shows how white text looks on a background with the Yxy color 82.2754, 0.3537, 0.5105.

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

82.2754, 0.3537, 0.5105

Protanopia

81.2313, 0.3932, 0.4280

Deuteranopia

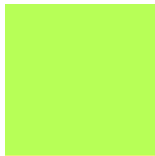
81.3298, 0.3526, 0.3615



Tritanopia

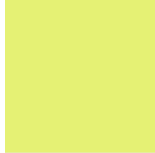
81.7790, 0.2839, 0.3111

Trichromacy



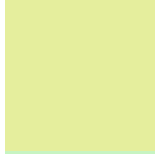
Original Color

82.2754, 0.3537, 0.5105



Protanomaly

80.8296, 0.3795, 0.4584



Deuteranomaly

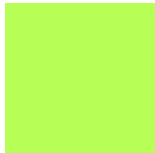
80.2414, 0.3574, 0.4158



Tritanomaly

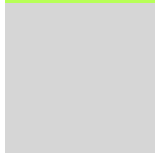
80.7385, 0.3133, 0.3853

Monochromacy



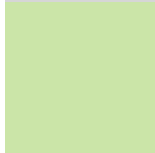
Original Color

82.2754, 0.3537, 0.5105



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.5623, 0.3336, 0.3998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2754, 0.3537, 0.5105 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(183, 255, 87)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 87)  
}
```

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(183, 255, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 87) }
```

Border

The CSS property to change the border of an element to Yxy 82.2754, 0.3537, 0.5105 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(183, 255, 87) }
```

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

```
.border{ border-color:rgb(183, 255, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2754, 0.3537, 0.5105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 87) }
```

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

```
.background{ background-color: rgb(183,  
255, 87) }
```

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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