

Converting Colors

$Yxy(83.0071, 0.3466, 0.4904)$

Have a look what the booklet for
Yxy(83.0071, 0.3466, 0.4904)
contains.

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Color

Yxy(82.9601, 0.3462, 0.4903)

Conversions

Conversions Part 1

Format	Color
Hex	B9FF6E
RGB	185, 255, 110
RGB Percent	73%, 100%, 43%
CMY	0.2746, 0.0000, 0.5688
CMYK	0.27, 0.00, 0.57, 0.00
HSL	89°, 100%, 72%
HSV	89°, 57%, 100%
XYZ	58.5780, 82.9601, 27.6646
YIQ	217.5400, 4.8250, -59.9350

Conversions

Conversions Part 2

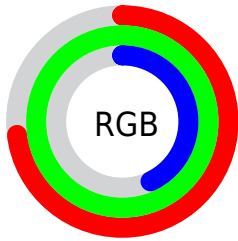
Format	Color
RYB	110, 255, 180
Decimal	12189550
CIELab	93.00, -44.31, 61.25
CIElCh	93, 75.600, 125.883
Yxy	82.9601, 0.3462, 0.4903
Android (android.graphics.Color)	4290379630 (0xFFB9FF6E)
YUV	217.5400, -53.0172, -28.5376
Hunter-Lab	91.0824, -44.5953, 45.7494

Details

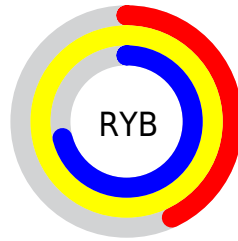
The Yxy color **82.9601, 0.3462, 0.4903** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **28.0630, 0.2522, 0.1668**, and the grayscale version is **70.1406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4697, 0.3585, 0.4196**, and **45.2437, 0.3474, 0.5282** is the 20% darker color. If you saturate the color by 10%, you get **81.0150, 0.3478, 0.5167**, and if you desaturate by 10%, it is **85.1927, 0.3426, 0.4613**.

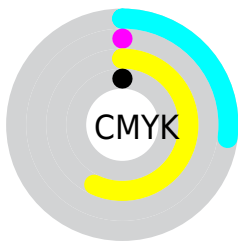
Distribution



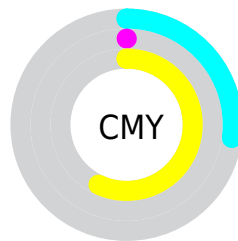
- Red (73%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (71%)



- Cyan (27%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9601, 0.3462, 0.4903 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 82.9601, 0.3462, 0.4903 by changing the saturation by 10% instead.


 82.9601, 0.3462,
0.4903

 82.9601, 0.3462,
0.4903


504.8535, 0.3358,
0.4142


 62.1572, 0.3471,
0.5074


 137.5196, 0.3438,
0.4640

 45.1598, 0.3473,
0.5280


 172.0450, 0.3425,
0.4537

 31.5833, 0.3462,
0.5534


 211.9133, 0.3412,
0.4449

 21.0434, 0.3425,
0.5848

257.5091, 0.3400,
0.4371

 13.1557, 0.3337,
0.6236

309.2166, 0.3388,
0.4303

 7.5359, 0.3192,
0.6808


367.4202, 0.3377,


 3.7994, 0.2751,


0.4243


0.7249


432.5044, 0.3367,
0.4190


 1.5620, 0.1547,
0.8453


 0.3318, 0.0000,
1.0000


 82.9601, 0.3462,
0.4903


 82.9601, 0.3462,
0.4903

 81.0150, 0.3478,
0.5167

 85.1927, 0.3426,
0.4613


 79.3471, 0.3472,
0.5390


 87.7357, 0.3375,
0.4313

 77.9340, 0.3443,
0.5560

 90.6009, 0.3314,
0.4015

 76.7509, 0.3394,
0.5673

 93.8018, 0.3246,
0.3730

 76.4183, 0.3377,
0.5701

 97.3507, 0.3176,
0.3462

100.0000, 0.3127,
0.3290

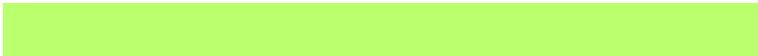
Harmonies

Analogous

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



82.9601, 0.4227, 0.4675



82.9601, 0.3462, 0.4903



82.9601, 0.2652, 0.4493

Triad

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



82.9601, 0.3462, 0.4903



82.9601, 0.1701, 0.2194



82.9601, 0.4309, 0.2904

Complementary

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



82.9601, 0.3462, 0.4903



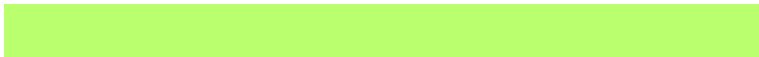
28.0630, 0.2522, 0.1668

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.



82.9601, 0.3453, 0.2408



82.9601, 0.3462, 0.4903



82.9601, 0.2002, 0.2005

Square

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



82.9601, 0.3462, 0.4903



82.9601, 0.1699, 0.2717



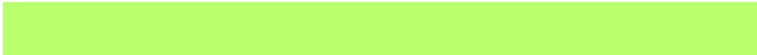
82.9601, 0.2604, 0.2090



82.9601, 0.4802, 0.3498

Rectangle

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



82.9601, 0.3462, 0.4903



82.9601, 0.2197, 0.3907



82.9601, 0.2604, 0.2090



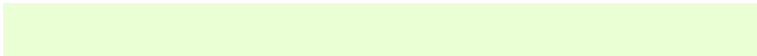
82.9601, 0.4046, 0.2724

Sweetspot

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



82.9577, 0.3462, 0.4903



93.7609, 0.3247, 0.3733



54.0847, 0.4404, 0.3977



19.9253, 0.3261, 0.3789



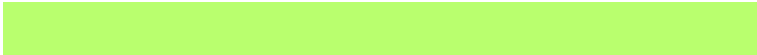
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.9577, 0.3462, 0.4903



80.8146, 0.3479, 0.5194



76.2758, 0.3062, 0.5121



20.6302, 0.3194, 0.3530



40.0196, 0.3388, 0.5692



3.9616, 0.3473, 0.5625

Inverse Universe

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



28.0630, 0.2522, 0.1668



21.2261, 0.2368, 0.1373



38.7177, 0.3146, 0.1930



17.8080, 0.3055, 0.3050



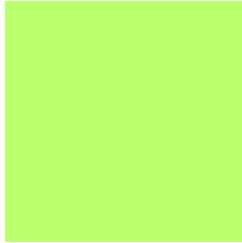
6.0643, 0.1988, 0.0869



0.6551, 0.2111, 0.0937

Previews

White Background



This preview shows how the Yxy color 82.9601, 0.3462, 0.4903 looks on a white background.

Color Contrast Check

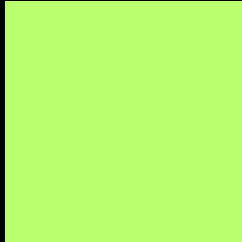
Large Text (above 18pt) WCAG AA × Fail

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 82.9601, 0.3462, 0.4903 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

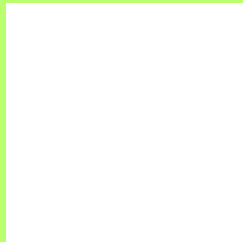
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9601, 0.3462, 0.4903

Background



This preview shows how black text looks on a background with the Yxy color 82.9601, 0.3462, 0.4903.

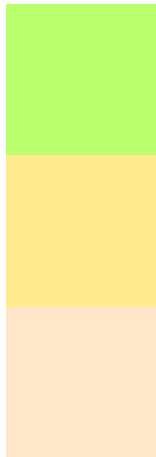


This preview shows how white text looks on a background with the Yxy color 82.9601, 0.3462, 0.4903.

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

82.9601, 0.3462, 0.4903

Protanopia

82.0287, 0.3879, 0.4216

Deuteranopia

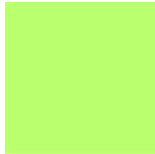
82.0707, 0.3496, 0.3583



Tritanopia

82.6546, 0.2852, 0.3122

Trichromacy



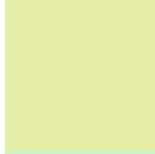
Original Color

82.9601, 0.3462, 0.4903



Protanomaly

81.9390, 0.3725, 0.4461



Deuteranomaly

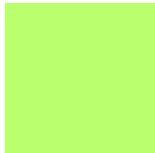
81.3832, 0.3511, 0.4049



Tritanomaly

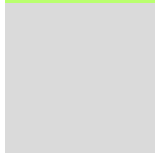
81.9866, 0.3098, 0.3769

Monochromacy



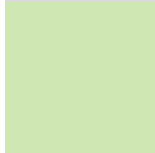
Original Color

82.9601, 0.3462, 0.4903



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.5283, 0.3285, 0.3885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9601, 0.3462, 0.4903 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(185, 255, 110)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 110)  
}
```

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(185, 255, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 110) }
```

Border

The CSS property to change the border of an element to Yxy 82.9601, 0.3462, 0.4903 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(185, 255, 110) }
```

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

```
.border{ border-color:rgb(185, 255, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9601, 0.3462, 0.4903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 110) }
```

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

```
.background{ background-color: rgb(185,  
255, 110) }
```

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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