

Converting Colors

$Yxy(82.5019, 0.3479, 0.4983)$

Have a look what the booklet for
Yxy(82.5019, 0.3479, 0.4983)
contains.

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Color

Yxy(82.5466, 0.3481, 0.4982)

Conversions

Conversions Part 1

Format	Color
Hex	B7FF66
RGB	183, 255, 102
RGB Percent	72%, 100%, 40%
CMY	0.2826, 0.0000, 0.5999
CMYK	0.28, 0.00, 0.60, 0.00
HSL	88°, 100%, 70%
HSV	88°, 60%, 100%
XYZ	57.6766, 82.5466, 25.4665
YIQ	216.0300, 6.2010, -62.8470

Conversions

Conversions Part 2

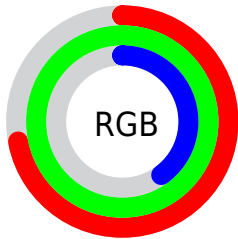
Format	Color
RYB	102, 255, 174
Decimal	12058470
CIELab	92.82, -45.72, 64.39
CIELCh	93, 78.971, 125.380
Yxy	82.5466, 0.3481, 0.4982
Android (android.graphics.Color)	4290248550 (0xFFB7FF66)
YUV	216.0300, -56.2168, -28.9673
Hunter-Lab	90.8552, -45.6813, 46.9798

Details

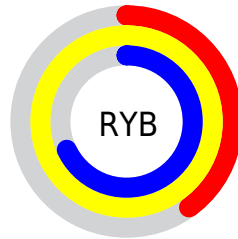
The Yxy color **82.5466, 0.3481, 0.4982** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **25.7332, 0.2464, 0.1574**, and the grayscale version is **69.0659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8659, 0.3611, 0.4269**, and **44.9300, 0.3483, 0.5377** is the 20% darker color. If you saturate the color by 10%, you get **80.6989, 0.3492, 0.5232**, and if you desaturate by 10%, it is **84.6614, 0.3449, 0.4701**.

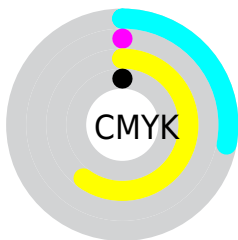
Distribution



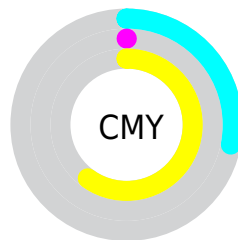
- Red (72%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (68%)



- Cyan (28%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.5466, 0.3481, 0.4982 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 82.5466, 0.3481, 0.4982 by changing the saturation by 10% instead.

 82.5466, 0.3481,
0.4982

 82.5466, 0.3481,
0.4982

503.4742, 0.3374,
0.4185


 61.8162, 0.3488,
0.5160

 136.9403, 0.3457,
0.4707

 44.8842, 0.3487,
0.5374


 171.3723, 0.3444,
0.4600

 31.3662, 0.3471,
0.5635

 211.1403, 0.3431,
0.4507

 20.8779, 0.3425,
0.5955

 256.6287, 0.3418,
0.4425

 13.0348, 0.3325,
0.6353

308.2219, 0.3406,
0.4354

 7.4525, 0.3131,
0.6869

366.3043, 0.3395,

 3.7467, 0.2673,

0.4291

0.7327

431.2603, 0.3384,
0.4235

■ 1.5329, 0.1316,
0.8684

■ 0.3117, 0.0000,
1.0000

■ 82.5466, 0.3481,
0.4982

■ 82.5466, 0.3481,
0.4982

■ 80.6989, 0.3492,
0.5232

■ 84.6614, 0.3449,
0.4701

■ 79.1216, 0.3480,
0.5438


■ 87.0804, 0.3400,
0.4404


■ 77.7868, 0.3446,
0.5589

■ 89.8111, 0.3340,
0.4106

■ 76.6622, 0.3393,
0.5688

■ 92.8668, 0.3272,
0.3816

 76.6616, 0.3393,
0.5688

 96.2600, 0.3200,
0.3543

100.0000, 0.3127,
0.3290

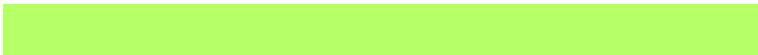
Harmonies

Analogous

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



82.5466, 0.4275, 0.4718



82.5466, 0.3481, 0.4982



82.5466, 0.2639, 0.4570

Triad

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



82.5466, 0.3481, 0.4982



82.5466, 0.1646, 0.2154



82.5466, 0.4350, 0.2875

Complementary

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



82.5466, 0.3481, 0.4982



25.7332, 0.2464, 0.1574

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.



82.5466, 0.3449, 0.2367



82.5466, 0.3481, 0.4982



82.5466, 0.1950, 0.1958

Square

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



82.5466, 0.3481, 0.4982



82.5466, 0.1647, 0.2699



82.5466, 0.2567, 0.2043



82.5466, 0.4873, 0.3485

Rectangle

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



82.5466, 0.3481, 0.4982



82.5466, 0.2165, 0.3953



82.5466, 0.2567, 0.2043



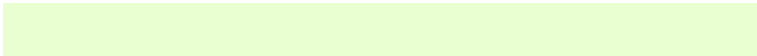
82.5466, 0.4072, 0.2690

Sweetspot

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



82.5395, 0.3481, 0.4982



93.5160, 0.3257, 0.3760



52.2636, 0.4495, 0.4005



19.8144, 0.3278, 0.3842



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.



82.5395, 0.3481, 0.4982



80.3620, 0.3492, 0.5278



75.6126, 0.3057, 0.5226



20.6410, 0.3196, 0.3530



40.1470, 0.3405, 0.5679



3.9740, 0.3488, 0.5612

Inverse Universe

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



25.7332, 0.2464, 0.1574



19.0346, 0.2295, 0.1270



37.0315, 0.3146, 0.1873



17.7972, 0.3053, 0.3050



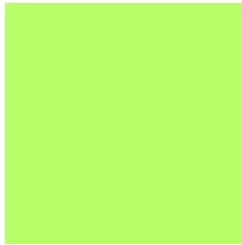
5.9505, 0.1966, 0.0857



0.6438, 0.2090, 0.0925

Previews

White Background



This preview shows how the Yxy color 82.5466, 0.3481, 0.4982 looks on a white background.

Color Contrast Check

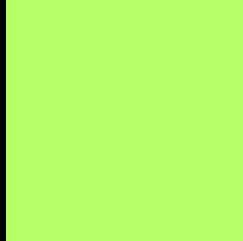
Large Text (above 18pt) WCAG AA × Fail

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 82.5466, 0.3481, 0.4982 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

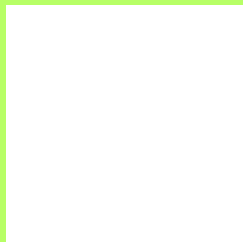
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.5466, 0.3481, 0.4982

Background



This preview shows how black text looks on a background with the Yxy color 82.5466, 0.3481, 0.4982.

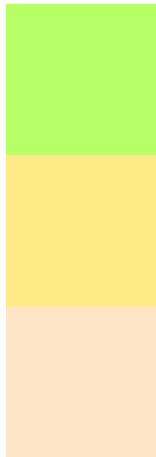


This preview shows how white text looks on a background with the Yxy color 82.5466, 0.3481, 0.4982.

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

82.5466, 0.3481, 0.4982

Protanopia

81.8832, 0.3909, 0.4262

Deuteranopia

81.4221, 0.3512, 0.3594



Tritanopia

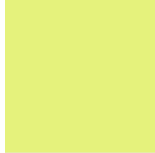
81.9244, 0.2845, 0.3111

Trichromacy



Original Color

82.5466, 0.3481, 0.4982



Protanomaly

81.6175, 0.3749, 0.4520



Deuteranomaly

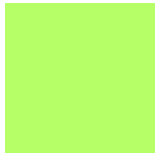
80.4874, 0.3531, 0.4084



Tritanomaly

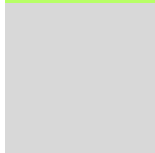
81.1042, 0.3110, 0.3794

Monochromacy



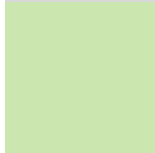
Original Color

82.5466, 0.3481, 0.4982



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.5261, 0.3297, 0.3924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5466, 0.3481, 0.4982 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 82.5466, 0.3481, 0.4982 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, 102) }
```

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

```
.border{ border-color:rgb(183, 255, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5466, 0.3481, 0.4982 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, 102) }
```

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

```
.background{ background-color: rgb(183,  
255, 102) }
```

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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