

Converting Colors

$Yxy(82.5269, 0.3485, 0.4991)$

Have a look what the booklet for
Yxy(82.5269, 0.3485, 0.4991)
contains.

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Color

Yxy(82.5269, 0.3485, 0.4991)

Conversions

Conversions Part 1

Format	Color
Hex	B7FF65
RGB	183, 255, 101
RGB Percent	72%, 100%, 40%
CMY	0.2826, 0.0000, 0.6040
CMYK	0.28, 0.00, 0.60, 0.00
HSL	88°, 100%, 70%
HSV	88°, 60%, 100%
XYZ	57.6250, 82.5269, 25.1996
YIQ	215.9160, 6.5220, -63.1580

Conversions

Conversions Part 2

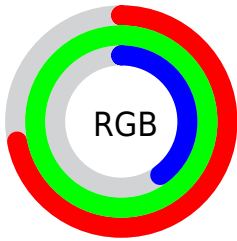
Format	Color
RYB	101, 255, 173
Decimal	12058469
CIELab	92.81, -45.81, 64.80
CIELCh	93, 79.363, 125.258
Yxy	82.5269, 0.3485, 0.4991
Android (android.graphics.Color)	4290248549 (0xFFB7FF65)
YUV	215.9160, -56.6536, -28.8673
Hunter-Lab	90.8443, -45.7502, 47.1444

Details

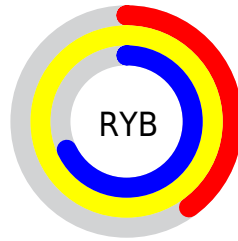
The Yxy color **82.5269, 0.3485, 0.4991** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **25.4152, 0.2454, 0.1561**, and the grayscale version is **68.9832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8316, 0.3616, 0.4278**, and **44.9226, 0.3486, 0.5384** is the 20% darker color. If you saturate the color by 10%, you get **80.6927, 0.3496, 0.5239**, and if you desaturate by 10%, it is **84.6231, 0.3453, 0.4711**.

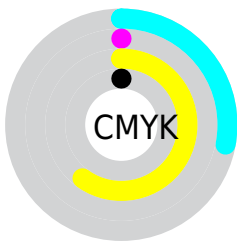
Distribution



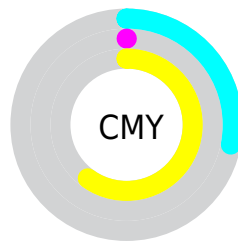
- Red (72%)
- Green (100%)
- Blue (40%)



- 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 82.5269, 0.3485, 0.4991 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 82.5269, 0.3485, 0.4991 by changing the saturation by 10% instead.


 82.5269, 0.3485,
0.4991

 82.5269, 0.3485,
0.4991


503.4084, 0.3377,
0.4190


 61.7999, 0.3492,
0.5169

 136.9126, 0.3461,
0.4715


 44.8711, 0.3491,
0.5384


 171.3402, 0.3448,
0.4607

 31.3559, 0.3475,
0.5646

 211.1035, 0.3435,
0.4513

 20.8700, 0.3428,
0.5966

 256.5868, 0.3422,
0.4432

 13.0290, 0.3327,
0.6366

308.1745, 0.3410,
0.4360

 7.4485, 0.3127,
0.6873


366.2511, 0.3398,


 3.7442, 0.2668,


0.4297

0.7332

431.2010, 0.3387,
0.4240


 1.5315, 0.1302,
0.8698


 0.3107, 0.0000,
1.0000


 82.5269, 0.3485,
0.4991


 82.5269, 0.3485,
0.4991


 80.6927, 0.3496,
0.5239

 84.6231, 0.3453,
0.4711


 79.1282, 0.3483,
0.5442


 87.0228, 0.3405,
0.4415

 77.8037, 0.3448,
0.5591

 89.7320, 0.3344,
0.4117

 76.7274, 0.3398,
0.5684

 92.7639, 0.3275,
0.3828

 96.1310, 0.3203,
0.3553

99.8452, 0.3130,
0.3300

100.0000, 0.3127,
0.3290

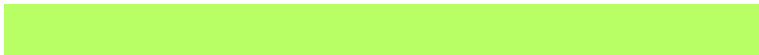
Harmonies

Analogous

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



82.5269, 0.4282, 0.4721



82.5269, 0.3485, 0.4991



82.5269, 0.2639, 0.4581

Triad

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



82.5269, 0.3485, 0.4991



82.5269, 0.1640, 0.2150



82.5269, 0.4353, 0.2871

Complementary

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



82.5269, 0.3485, 0.4991



25.4152, 0.2454, 0.1561

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.



82.5269, 0.3446, 0.2361



82.5269, 0.3485, 0.4991



82.5269, 0.1944, 0.1953

Square

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



82.5269, 0.3485, 0.4991



82.5269, 0.1642, 0.2699



82.5269, 0.2561, 0.2037



82.5269, 0.4880, 0.3483

Rectangle

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



82.5269, 0.3485, 0.4991



82.5269, 0.2163, 0.3961



82.5269, 0.2561, 0.2037



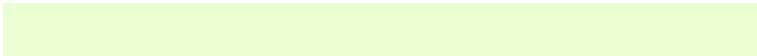
82.5269, 0.4073, 0.2685

Sweetspot

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



82.5184, 0.3485, 0.4991



93.5401, 0.3258, 0.3760



52.0327, 0.4507, 0.4008



19.8203, 0.3279, 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.



82.5184, 0.3485, 0.4991



80.4249, 0.3495, 0.5275



75.5309, 0.3057, 0.5239



20.6439, 0.3197, 0.3530



40.1815, 0.3409, 0.5675



3.9774, 0.3492, 0.5609

Inverse Universe

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



25.4152, 0.2454, 0.1561



18.9770, 0.2290, 0.1267



36.8242, 0.3146, 0.1866



17.7944, 0.3052, 0.3050



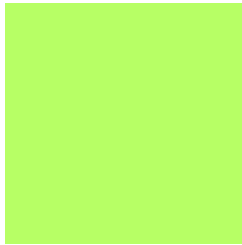
5.9208, 0.1960, 0.0853



0.6408, 0.2085, 0.0922

Previews

White Background



This preview shows how the Yxy color 82.5269, 0.3485, 0.4991 looks on a white background.

Color Contrast Check

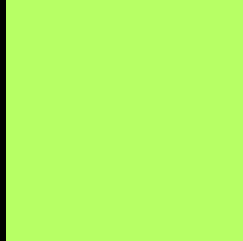
Large Text (above 18pt) WCAG AA × Fail

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 82.5269, 0.3485, 0.4991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

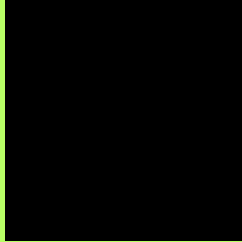
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.5269, 0.3485, 0.4991

Background



This preview shows how black text looks on a background with the Yxy color 82.5269, 0.3485, 0.4991.

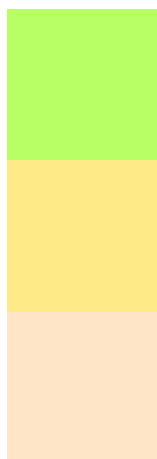


This preview shows how white text looks on a background with the Yxy color 82.5269, 0.3485, 0.4991.

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

82.5269, 0.3485, 0.4991

Protanopia

81.8832, 0.3909, 0.4262

Deuteranopia

81.4221, 0.3512, 0.3594



Tritanopia

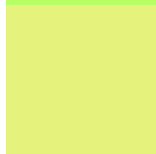
81.9244, 0.2845, 0.3111

Trichromacy



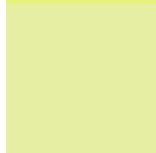
Original Color

82.5269, 0.3485, 0.4991



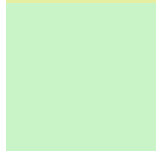
Protanomaly

81.5923, 0.3755, 0.4529



Deuteranomaly

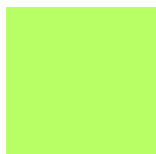
80.4514, 0.3537, 0.4095



Tritanomaly

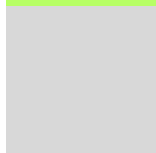
81.1042, 0.3110, 0.3794

Monochromacy



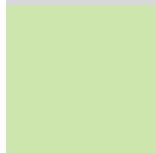
Original Color

82.5269, 0.3485, 0.4991



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.4870, 0.3304, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5269, 0.3485, 0.4991 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 101) }
```

Border

The CSS property to change the border of an element to Yxy 82.5269, 0.3485, 0.4991 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, 101) }
```

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

```
.border{ border-color:rgb(183, 255, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5269, 0.3485, 0.4991 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, 101) }
```

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

```
.background{ background-color: rgb(183,  
255, 101) }
```

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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