

Converting Colors

$Yxy(82.3811, 0.3473, 0.4987)$

Have a look what the booklet for
Yxy(82.3811, 0.3473, 0.4987)
contains.

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Color

Yxy(82.4244, 0.3475, 0.4986)

Conversions

Conversions Part 1

Format	Color
Hex	B6FF66
RGB	182, 255, 102
RGB Percent	71%, 100%, 40%
CMY	0.2863, 0.0000, 0.6001
CMYK	0.29, 0.00, 0.60, 0.00
HSL	89°, 100%, 70%
HSV	89°, 60%, 100%
XYZ	57.4458, 82.4244, 25.4415
YIQ	215.7310, 5.6050, -63.0590

Conversions

Conversions Part 2

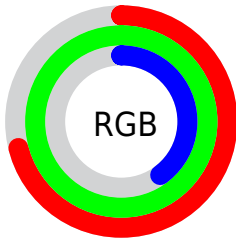
Format	Color
RYB	102, 255, 175
Decimal	11992934
CIELab	92.76, -46.06, 64.34
CIElCh	93, 79.123, 125.599
Yxy	82.4244, 0.3475, 0.4986
Android (android.graphics.Color)	4290183014 (0xFFB6FF66)
YUV	215.7310, -56.0694, -29.5821
Hunter-Lab	90.7879, -45.9334, 46.9367

Details

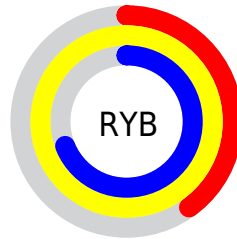
The Yxy color **82.4244, 0.3475, 0.4986** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **25.8268, 0.2471, 0.1577**, and the grayscale version is **68.8565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6894, 0.3604, 0.4271**, and **44.8551, 0.3475, 0.5383** is the 20% darker color. If you saturate the color by 10%, you get **80.5744, 0.3485, 0.5237**, and if you desaturate by 10%, it is **84.5540, 0.3444, 0.4704**.

Distribution



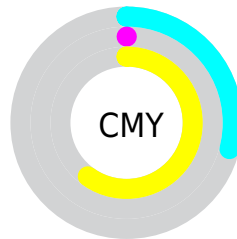
- Red (71%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (69%)



- Cyan (29%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.4244, 0.3475, 0.4986 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 82.4244, 0.3475, 0.4986 by changing the saturation by 10% instead.


 82.4244, 0.3475,
0.4986


 82.4244, 0.3475,
0.4986


503.0662, 0.3371,
0.4186


 61.7154, 0.3481,
0.5164


 136.7690, 0.3452,
0.4710

 44.8028, 0.3480,
0.5380


 171.1734, 0.3440,
0.4602

 31.3021, 0.3463,
0.5642


 210.9117, 0.3427,
0.4509

 20.8290, 0.3415,
0.5964

 256.3684, 0.3414,
0.4428

 12.9991, 0.3313,
0.6365

307.9278, 0.3403,
0.4356

 7.4279, 0.3116,
0.6884


365.9743, 0.3391,


 3.7311, 0.2654,


0.4293


0.7346


430.8923, 0.3381,
0.4237


 1.5243, 0.1254,
0.8746


 0.3058, 0.0000,
1.0000


 82.4244, 0.3475,
0.4986


 82.4244, 0.3475,
0.4986


 80.5744, 0.3485,
0.5237


 84.5540, 0.3444,
0.4704

 78.9929, 0.3473,
0.5444


 86.9862, 0.3396,
0.4406

 77.6565, 0.3437,
0.5596

 89.7333, 0.3337,
0.4107

 76.5343, 0.3385,
0.5695

 92.8087, 0.3270,
0.3817

 96.2251, 0.3199,
0.3543

99.9943, 0.3127,
0.3290

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.



82.4244, 0.4272, 0.4724



82.4244, 0.3475, 0.4986



82.4244, 0.2632, 0.4568

Triad

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



82.4244, 0.3475, 0.4986



82.4244, 0.1644, 0.2149



82.4244, 0.4359, 0.2878

Complementary

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



82.4244, 0.3475, 0.4986



25.8268, 0.2471, 0.1577

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.



82.4244, 0.3456, 0.2368



82.4244, 0.3475, 0.4986



82.4244, 0.1951, 0.1955

Square

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



82.4244, 0.3475, 0.4986



82.4244, 0.1643, 0.2692



82.4244, 0.2571, 0.2042



82.4244, 0.4879, 0.3490

Rectangle

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



82.4244, 0.3475, 0.4986



82.4244, 0.2159, 0.3947



82.4244, 0.2571, 0.2042



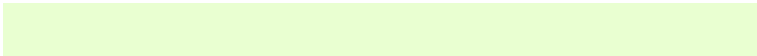
82.4244, 0.4081, 0.2693

Sweetspot

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



82.4221, 0.3475, 0.4986



93.4691, 0.3256, 0.3761



52.2519, 0.4496, 0.4005



19.8030, 0.3276, 0.3843



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.



82.4221, 0.3475, 0.4986



80.2398, 0.3485, 0.5282



75.6084, 0.3057, 0.5227



20.6354, 0.3195, 0.3530



40.0804, 0.3396, 0.5685



3.9676, 0.3480, 0.5619

Inverse Universe

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



25.8268, 0.2471, 0.1577



19.1479, 0.2305, 0.1274



37.0209, 0.3146, 0.1873



17.8028, 0.3054, 0.3050



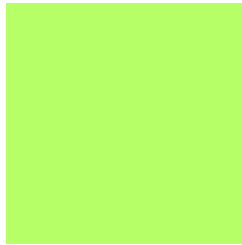
6.0092, 0.1977, 0.0863



0.6496, 0.2101, 0.0931

Previews

White Background



This preview shows how the Yxy color 82.4244, 0.3475, 0.4986 looks on a white background.

Color Contrast Check

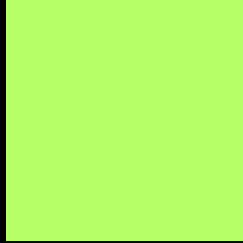
Large Text (above 18pt) WCAG AA × Fail

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 82.4244, 0.3475, 0.4986 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

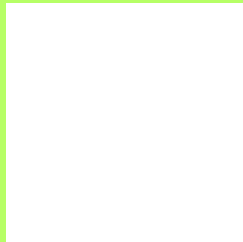
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.4244, 0.3475, 0.4986

Background



This preview shows how black text looks on a background with the Yxy color 82.4244, 0.3475, 0.4986.

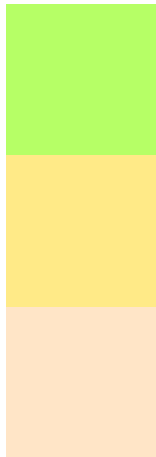


This preview shows how white text looks on a background with the Yxy color 82.4244, 0.3475, 0.4986.

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

82.4244, 0.3475, 0.4986

Protanopia

81.8549, 0.3915, 0.4271

Deuteranopia

81.4221, 0.3512, 0.3594



Tritanopia

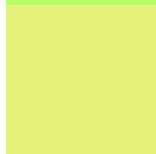
81.7790, 0.2839, 0.3111

Trichromacy



Original Color

82.4244, 0.3475, 0.4986



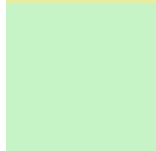
Protanomaly

81.4283, 0.3747, 0.4532



Deuteranomaly

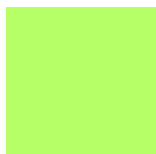
80.3234, 0.3524, 0.4086



Tritanomaly

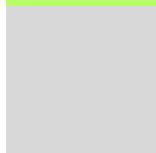
80.9670, 0.3103, 0.3795

Monochromacy



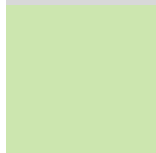
Original Color

82.4244, 0.3475, 0.4986



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 82.4244, 0.3475, 0.4986 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(182, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(182, 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(182, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 82.4244, 0.3475, 0.4986 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(182, 255, 102) }
```

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

```
.border{ border-color:rgb(182, 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(182, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4244, 0.3475, 0.4986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 102) }
```

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

```
.background{ background-color: rgb(182,  
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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