

Converting Colors

$Yxy(82.1827, 0.3462, 0.4993)$

Have a look what the booklet for
Yxy(82.1827, 0.3462, 0.4993)
contains.

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Color

Yxy(82.1826, 0.3462, 0.4993)

Conversions

Conversions Part 1

Format	Color
Hex	B4FF66
RGB	180, 255, 102
RGB Percent	71%, 100%, 40%
CMY	0.2941, 0.0000, 0.6000
CMYK	0.29, 0.00, 0.60, 0.00
HSL	89°, 100%, 70%
HSV	89°, 60%, 100%
XYZ	56.9830, 82.1826, 25.4300
YIQ	215.1330, 4.4130, -63.4830

Conversions

Conversions Part 2

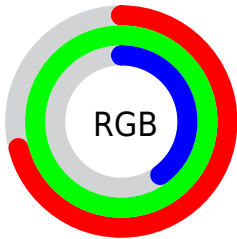
Format	Color
RYB	102, 255, 177
Decimal	11861862
CIELab	92.66, -46.74, 64.17
CIELCh	93, 79.387, 126.067
Yxy	82.1826, 0.3462, 0.4993
Android (android.graphics.Color)	4290051942 (0xFFB4FF66)
YUV	215.1330, -55.7746, -30.8116
Hunter-Lab	90.6546, -46.4454, 46.8265

Details

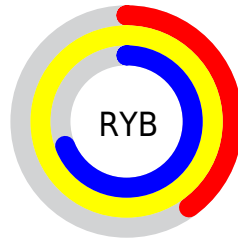
The Yxy color **82.1826, 0.3462, 0.4993** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **26.0699, 0.2488, 0.1585**, and the grayscale version is **68.4356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3393, 0.3590, 0.4276**, and **44.7076, 0.3460, 0.5394** is the 20% darker color. If you saturate the color by 10%, you get **80.3206, 0.3471, 0.5247**, and if you desaturate by 10%, it is **84.3389, 0.3433, 0.4709**.

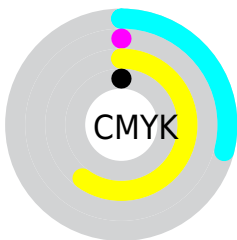
Distribution



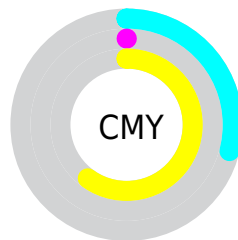
- Red (71%)
- Green (100%)
- Blue (40%)



- 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 82.1826, 0.3462, 0.4993 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 82.1826, 0.3462, 0.4993 by changing the saturation by 10% instead.

 82.1826, 0.3462,
0.4993

 82.1826, 0.3462,
0.4993


502.2583, 0.3364,
0.4188

 61.5161, 0.3467,
0.5173

 136.4300, 0.3441,
0.4715

 44.6418, 0.3464,
0.5390


 170.7797, 0.3429,
0.4607

 31.1754, 0.3445,
0.5655


 210.4593, 0.3417,
0.4513

 20.7324, 0.3394,
0.5981

 255.8530, 0.3406,
0.4431

 12.9286, 0.3288,
0.6388

307.3454, 0.3394,
0.4359

 7.3794, 0.3085,
0.6915


365.3208, 0.3384,


 3.7005, 0.2615,


0.4296


0.7385


430.1636, 0.3374,
0.4239


 1.5075, 0.1123,
0.8877

 0.2940, 0.0000,
1.0000


 82.1826, 0.3462,
0.4993


 82.1826, 0.3462,
0.4993


 80.3206, 0.3471,
0.5247


 84.3389, 0.3433,
0.4709


 78.7293, 0.3456,
0.5456

 86.8006, 0.3388,
0.4409


 77.3892, 0.3420,
0.5609

 89.5844, 0.3330,
0.4108

 76.2675, 0.3366,
0.5709

 92.7039, 0.3265,
0.3817

 76.2673, 0.3366,
0.5709

 96.1720, 0.3197,
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.



82.1826, 0.4264, 0.4737



82.1826, 0.3462, 0.4993



82.1826, 0.2617, 0.4562

Triad

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



82.1826, 0.3462, 0.4993



82.1826, 0.1642, 0.2139



82.1826, 0.4376, 0.2885

Complementary

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



82.1826, 0.3462, 0.4993



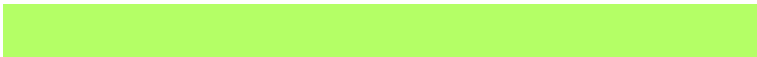
26.0699, 0.2488, 0.1585

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.



82.1826, 0.3472, 0.2372



82.1826, 0.3462, 0.4993



82.1826, 0.1954, 0.1950

Square

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



82.1826, 0.3462, 0.4993



82.1826, 0.1636, 0.2677



82.1826, 0.2581, 0.2041



82.1826, 0.4889, 0.3500

Rectangle

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



82.1826, 0.3462, 0.4993



82.1826, 0.2145, 0.3934



82.1826, 0.2581, 0.2041



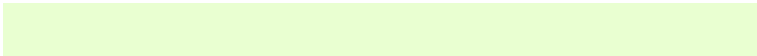
82.1826, 0.4099, 0.2699

Sweetspot

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



82.1843, 0.3462, 0.4993



93.3686, 0.3252, 0.3761



53.2515, 0.4477, 0.4030



19.7785, 0.3271, 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.



82.1843, 0.3462, 0.4993



79.9808, 0.3470, 0.5293



75.4558, 0.3046, 0.5232



20.6234, 0.3193, 0.3530



39.9404, 0.3378, 0.5700



3.9539, 0.3463, 0.5633

Inverse Universe

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



26.0699, 0.2488, 0.1585



19.3949, 0.2325, 0.1284



37.5033, 0.3169, 0.1883



17.8148, 0.3056, 0.3050



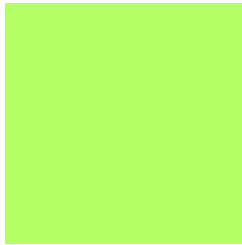
6.1384, 0.2002, 0.0876



0.6625, 0.2125, 0.0944

Previews

White Background



This preview shows how the Yxy color 82.1826, 0.3462, 0.4993 looks on a white background.

Color Contrast Check

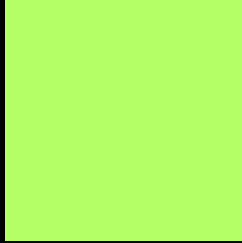
Large Text (above 18pt) WCAG AA × Fail

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 82.1826, 0.3462, 0.4993 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 82.1826, 0.3462, 0.4993

Background



This preview shows how black text looks on a background with the Yxy color 82.1826, 0.3462, 0.4993.

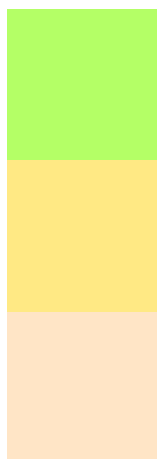


This preview shows how white text looks on a background with the Yxy color 82.1826, 0.3462, 0.4993.

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

82.1826, 0.3462, 0.4993

Protanopia

81.2038, 0.3937, 0.4289

Deuteranopia

81.3758, 0.3519, 0.3604



Tritanopia

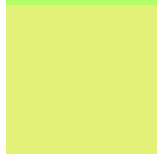
81.4909, 0.2827, 0.3110

Trichromacy



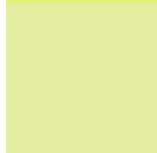
Original Color

82.1826, 0.3462, 0.4993



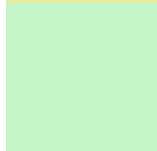
Protanomaly

80.7851, 0.3762, 0.4543



Deuteranomaly

80.2874, 0.3530, 0.4097



Tritanomaly

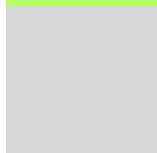
80.6952, 0.3091, 0.3797

Monochromacy



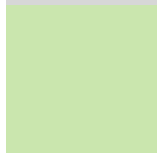
Original Color

82.1826, 0.3462, 0.4993



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.2062, 0.3289, 0.3939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1826, 0.3462, 0.4993 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(180, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 82.1826, 0.3462, 0.4993 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(180, 255, 102) }
```

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

```
.border{ border-color:rgb(180, 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(180, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1826, 0.3462, 0.4993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 102) }
```

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

```
.background{ background-color: rgb(180,  
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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