

Converting Colors

$Yxy(84.4738, 0.3581, 0.4925)$

Have a look what the booklet for
Yxy(84.4738, 0.3581, 0.4925)
contains.

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Color

Yxy(84.4851, 0.3581, 0.4924)

Conversions

Conversions Part 1

Format	Color
Hex	C6FF66
RGB	198, 255, 102
RGB Percent	78%, 100%, 40%
CMY	0.2237, 0.0000, 0.5998
CMYK	0.22, 0.00, 0.60, 0.00
HSL	82°, 100%, 70%
HSV	82°, 60%, 100%
XYZ	61.4421, 84.4851, 25.6509
YIQ	220.5150, 15.1410, -59.6670

Conversions

Conversions Part 2

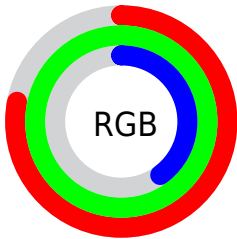
Format	Color
RYB	102, 255, 159
Decimal	13041510
CIELab	93.66, -40.35, 65.55
CIELCh	94, 76.971, 121.615
Yxy	84.4851, 0.3581, 0.4924
Android (android.graphics.Color)	4291231590 (0xFFC6FF66)
YUV	220.5150, -58.4279, -19.7457
Hunter-Lab	91.9158, -41.5322, 47.7950

Details

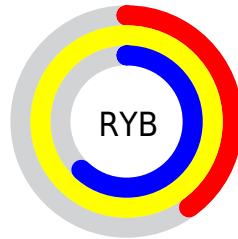
The Yxy color **84.4851, 0.3581, 0.4924** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **24.1119, 0.2341, 0.1521**, and the grayscale version is **72.3537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **46.1455, 0.3607, 0.5289** is the 20% darker color. If you saturate the color by 10%, you get **82.7990, 0.3607, 0.5156**, and if you desaturate by 10%, it is **86.4005, 0.3533, 0.4661**.

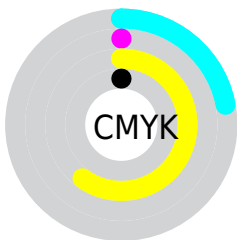
Distribution



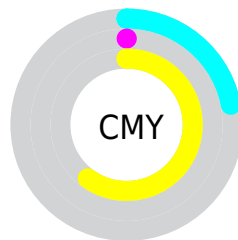
- Red (78%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (62%)



- Cyan (22%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4851, 0.3581, 0.4924 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 84.4851, 0.3581, 0.4924 by changing the saturation by 10% instead.


 84.4851, 0.3581,
0.4924


 84.4851, 0.3581,
0.4924


509.9227, 0.3428,
0.4165


 63.4160, 0.3599,
0.5090


 139.6536, 0.3541,
0.4665

 46.1778, 0.3611,
0.5289


 174.5217, 0.3522,
0.4563

 32.3862, 0.3611,
0.5529


 214.7584, 0.3504,
0.4474

 21.6566, 0.3587,
0.5819

 260.7479, 0.3486,
0.4397

 13.6048, 0.3517,
0.6174

312.8747, 0.3470,
0.4328

 7.8463, 0.3368,
0.6632


371.5232, 0.3455,


 3.9968, 0.2977,


0.4268


0.7023


437.0777, 0.3441,
0.4214


 1.6718, 0.2130,
0.7870

 0.4053, 0.0000,
1.0000

 84.4851, 0.3581,
0.4924


 84.4851, 0.3581,
0.4924


 82.7990, 0.3607,
0.5156


 86.4005, 0.3533,
0.4661


 81.3370, 0.3609,
0.5344

 88.5707, 0.3467,
0.4379

 80.0763, 0.3586,
0.5480

 91.0049, 0.3389,
0.4092

 78.9866, 0.3543,
0.5569

 93.7150, 0.3304,
0.3811

 78.9846, 0.3542,
0.5569

 96.7122, 0.3215,
0.3541

100.0000, 0.3127,
0.3290

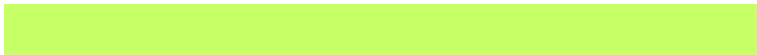
Harmonies

Analogous

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



84.4851, 0.4331, 0.4620



84.4851, 0.3581, 0.4924



84.4851, 0.2756, 0.4611

Triad

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



84.4851, 0.3581, 0.4924



84.4851, 0.1668, 0.2235



84.4851, 0.4214, 0.2820

Complementary

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



84.4851, 0.3581, 0.4924



24.1119, 0.2341, 0.1521

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.



84.4851, 0.3325, 0.2341



84.4851, 0.3581, 0.4924



84.4851, 0.1929, 0.2002

Square

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



84.4851, 0.3581, 0.4924



84.4851, 0.1710, 0.2815



84.4851, 0.2493, 0.2051



84.4851, 0.4784, 0.3409

Rectangle

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



84.4851, 0.3581, 0.4924



84.4851, 0.2274, 0.4053



84.4851, 0.2493, 0.2051



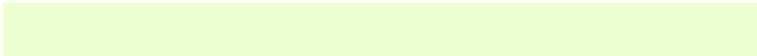
84.4851, 0.3934, 0.2644

Sweetspot

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



84.4814, 0.3581, 0.4924



94.2855, 0.3287, 0.3756



46.7188, 0.4609, 0.3853



20.0024, 0.3312, 0.3836



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.



84.4814, 0.3581, 0.4924



82.4866, 0.3610, 0.5197



76.6503, 0.3128, 0.5185



20.7325, 0.3211, 0.3529



41.3591, 0.3553, 0.5561



4.0893, 0.3625, 0.5504

Inverse Universe

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



24.1119, 0.2341, 0.1521



17.3411, 0.2150, 0.1198



34.3277, 0.3005, 0.1812



17.7076, 0.3037, 0.3048



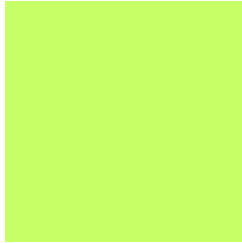
5.1242, 0.1800, 0.0765



0.5587, 0.1924, 0.0834

Previews

White Background



This preview shows how the Yxy color 84.4851, 0.3581, 0.4924 looks on a white background.

Color Contrast Check

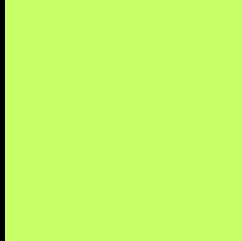
Large Text (above 18pt) WCAG AA × Fail

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 84.4851, 0.3581, 0.4924 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 84.4851, 0.3581, 0.4924

Background



This preview shows how black text looks on a background with the Yxy color 84.4851, 0.3581, 0.4924.

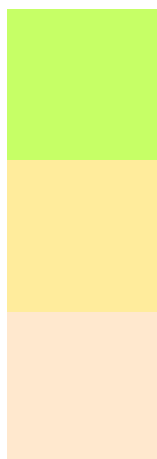


This preview shows how white text looks on a background with the Yxy color 84.4851, 0.3581, 0.4924.

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

84.4851, 0.3581, 0.4924

Protanopia

83.6512, 0.3778, 0.4092

Deuteranopia

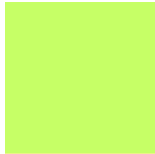
83.4295, 0.3459, 0.3552



Tritanopia

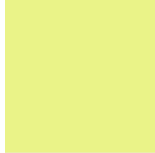
84.1686, 0.2912, 0.3125

Trichromacy



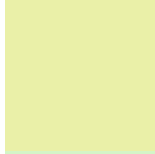
Original Color

84.4851, 0.3581, 0.4924



Protanomaly

83.3712, 0.3717, 0.4400



Deuteranomaly

82.6398, 0.3537, 0.4051



Tritanomaly

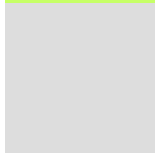
83.4254, 0.3187, 0.3792

Monochromacy



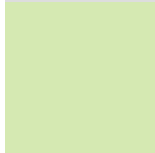
Original Color

84.4851, 0.3581, 0.4924



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.6383, 0.3338, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4851, 0.3581, 0.4924 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(198, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 84.4851, 0.3581, 0.4924 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(198, 255, 102) }
```

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

```
.border{ border-color:rgb(198, 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(198, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4851, 0.3581, 0.4924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 102) }
```

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

```
.background{ background-color: rgb(198,  
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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