

# Converting Colors

Yxy(84.9716, 0.3656, 0.4693)

Have a look what the booklet for  
Yxy(84.9716, 0.3656, 0.4693)  
contains.

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# Color

**Yxy(84.8776, 0.3655, 0.4699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8FB75
RGB	216, 251, 117
RGB Percent	85%, 98%, 46%
CMY	0.1531, 0.0156, 0.5412
CMYK	0.14, 0.00, 0.53, 0.02
HSL	76°, 94%, 72%
HSV	76°, 53%, 98%
XYZ	66.0199, 84.8776, 29.7315
YIQ	225.2590, 22.1540, -49.0940

# Conversions

## Conversions Part 2

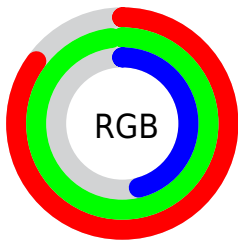
Format	Color
<a href="#">RYB</a>	<a href="#">117, 251, 152</a>
Decimal	<a href="#">14220149</a>
CIELab	<a href="#">93.83, -30.60, 59.61</a>
CIElCh	<a href="#">94, 67.005, 117.172</a>
Yxy	<a href="#">84.8776, 0.3655, 0.4699</a>
Android (android.graphics.Color)	<a href="#">4292410229 (0xFFD8FB75)</a>
YUV	<a href="#">225.2590, -53.3717, -8.1201</a>
Hunter-Lab	<a href="#">92.1290, -33.3122, 45.3565</a>

# Details

The Yxy color **84.8776, 0.3655, 0.4699** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **26.3679, 0.2332, 0.1674**, and the grayscale version is **75.8690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7586, 0.3620, 0.4105**, and **46.3023, 0.3728, 0.5009** is the 20% darker color. If you saturate the color by 10%, you get **83.3882, 0.3716, 0.4931**, and if you desaturate by 10%, it is **86.5728, 0.3575, 0.4441**.

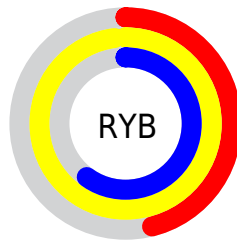
# Distribution



Red (85%)

Green (98%)

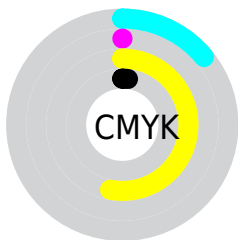
Blue (46%)



Red (46%)

Yellow (98%)

Blue (60%)

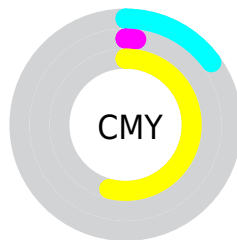


Cyan (14%)

Magenta (0%)

Yellow (53%)

Black (2%)



Cyan (15%)

Magenta (2%)


Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8776, 0.3655, 0.4699 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 84.8776, 0.3655, 0.4699 by changing the saturation by 10% instead.





 84.8776, 0.3655,  
0.4699


 84.8776, 0.3655,  
0.4699

511.2230, 0.3454,  
0.4051

 63.7403, 0.3687,  
0.4840


 140.2022, 0.3596,  
0.4478

 46.4403, 0.3720,  
0.5010


 175.1581, 0.3570,  
0.4391

 32.5934, 0.3749,  
0.5216


 215.4891, 0.3546,  
0.4315

 21.8152, 0.3767,  
0.5467

261.5795, 0.3524,  
0.4249

 13.7212, 0.3756,  
0.5772

313.8137, 0.3504,  
0.4191

 7.9270, 0.3748,  
0.6252


372.5761, 0.3486,


 4.0483, 0.3453,


0.4139


438.2510, 0.3470,  
0.4093


0.6547


 1.7006, 0.2940,  
0.7060


 0.4240, 0.0000,  
1.0000


 84.8776, 0.3655,  
0.4699


 84.8776, 0.3655,  
0.4699


 83.3882, 0.3716,  
0.4931


 86.5728, 0.3575,  
0.4441


 82.0799, 0.3753,  
0.5126

 88.4743, 0.3480,  
0.4170

 80.9408, 0.3764,  
0.5275


 90.5970, 0.3377,  
0.3896

 79.9523, 0.3749,  
0.5376

 92.9508, 0.3270,  
0.3628

 79.3637, 0.3729,  
0.5421

 95.5451, 0.3163,  
0.3373

 97.4829, 0.3129,  
0.3252

# Harmonies

## Analogous

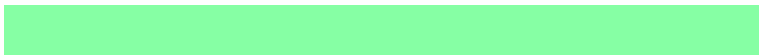
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8776, 0.4285, 0.4415



84.8776, 0.3655, 0.4699



84.8776, 0.2922, 0.4495

# Triad

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



84.8776, 0.3655, 0.4699



84.8776, 0.1813, 0.2424



84.8776, 0.3970, 0.2809

# Complementary

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



84.8776, 0.3655, 0.4699



26.3679, 0.2332, 0.1674

# 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.



84.8776, 0.3189, 0.2395



84.8776, 0.3655, 0.4699



84.8776, 0.2010, 0.2160

# Square

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



84.8776, 0.3655, 0.4699



84.8776, 0.1900, 0.2993



84.8776, 0.2482, 0.2164



84.8776, 0.4525, 0.3335



# Rectangle

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



84.8776, 0.3655, 0.4699



84.8776, 0.2474, 0.4064



84.8776, 0.2482, 0.2164



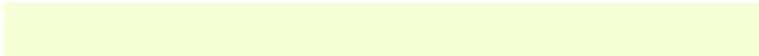
84.8776, 0.3719, 0.2655

# Sweetspot

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



84.8814, 0.3655, 0.4699



95.6776, 0.3298, 0.3698



43.7696, 0.4492, 0.3642



20.3699, 0.3321, 0.3753



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

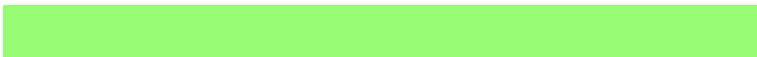
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8814, 0.3655, 0.4699



86.3343, 0.3719, 0.4945



76.8190, 0.3225, 0.4918



19.9490, 0.3228, 0.3527



41.7858, 0.3737, 0.5415



3.9212, 0.3794, 0.5370



# Inverse Universe

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



26.3679, 0.2332, 0.1674



19.9473, 0.2139, 0.1343



34.5182, 0.2883, 0.1894



16.8624, 0.3020, 0.3048



4.3227, 0.1656, 0.0686

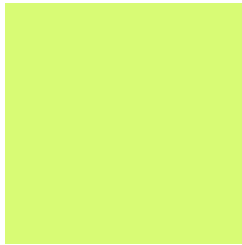


0.4493, 0.1774, 0.0751



# Previews

## White Background



This preview shows how the Yxy color 84.8776, 0.3655, 0.4699 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 84.8776, 0.3655, 0.4699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

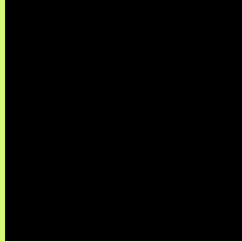
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.8776, 0.3655, 0.4699**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8776, 0.3655, 0.4699.

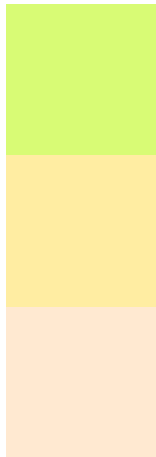


This preview shows how white text looks on a background with the Yxy color 84.8776, 0.3655, 0.4699.

# 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

84.8776, 0.3655, 0.4699

### Protanopia

84.4370, 0.3737, 0.4043

### Deuteranopia

84.1413, 0.3437, 0.3531



## Tritanopia

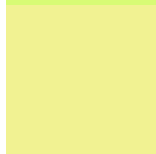
84.3667, 0.2987, 0.3098

# Trichromacy



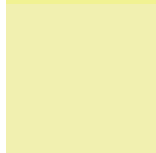
## Original Color

84.8776, 0.3655, 0.4699



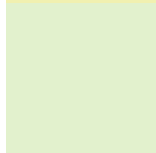
## Protanomaly

84.2804, 0.3715, 0.4276



## Deuteranomaly

84.1555, 0.3538, 0.3955



## Tritanomaly

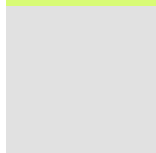
83.4871, 0.3248, 0.3673

# Monochromacy



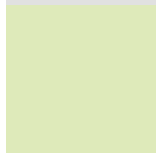
## Original Color

84.8776, 0.3655, 0.4699



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.9204, 0.3350, 0.3816

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8776, 0.3655, 0.4699 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(216, 251, 117)` looks like.

```
.text, #text, p{  
    color:rgb(216, 251, 117)  
}
```

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(216, 251, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 251, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8776, 0.3655, 0.4699 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(216, 251, 117) }
```

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

```
.border{ border-color:rgb(216, 251, 117) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(216, 251, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 251, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 251, 117);  
box-shadow:4px 4px 4px 4px rgb(216, 251,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8776, 0.3655, 0.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 251, 117) }
```

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

```
.background{ background-color: rgb(216,  
251, 117) }
```

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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