

# Converting Colors

Yxy(84.4994, 0.3347, 0.4559)

Have a look what the booklet for  
Yxy(84.4994, 0.3347, 0.4559)  
contains.

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# Color

**Yxy(84.4201, 0.3346, 0.4565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEFF8E
RGB	190, 255, 142
RGB Percent	75%, 100%, 56%
CMY	0.2549, 0.0000, 0.4431
CMYK	0.25, 0.00, 0.44, 0.00
HSL	95°, 100%, 78%
HSV	95°, 44%, 100%
XYZ	61.8773, 84.4201, 38.6317
YIQ	222.6830, -2.4670, -48.9230

# Conversions

## Conversions Part 2

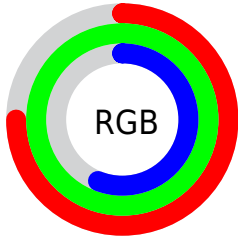
Format	Color
<a href="#">RYB</a>	<a href="#">142, 255, 207</a>
Decimal	<a href="#">12517262</a>
CIELab	<a href="#">93.63, -39.21, 47.43</a>
CIElCh	<a href="#">94, 61.542, 129.577</a>
Yxy	<a href="#">84.4201, 0.3346, 0.4565</a>
Android (android.graphics.Color)	<a href="#">4290707342 (0xFFBEFF8E)</a>
YUV	<a href="#">222.6830, -39.7767, -28.6630</a>
Hunter-Lab	<a href="#">91.8804, -40.5791, 39.3874</a>

# Details

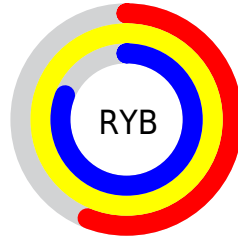
The Yxy color **84.4201, 0.3346, 0.4565** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.8418, 0.2773, 0.2067**, and the grayscale version is **73.8434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5077, 0.3425, 0.3869**, and **46.1778, 0.3361, 0.4877** is the 20% darker color. If you saturate the color by 10%, you get **81.9441, 0.3372, 0.4873**, and if you desaturate by 10%, it is **87.2609, 0.3307, 0.4252**.

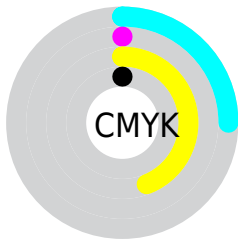
# Distribution



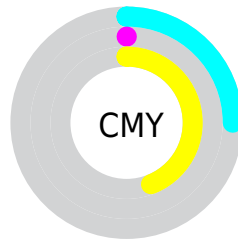
- Red (75%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (81%)



- Cyan (25%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4201, 0.3346, 0.4565 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 84.4201, 0.3346, 0.4565 by changing the saturation by 10% instead.



 84.4201, 0.3346,  
0.4565


 84.4201, 0.3346,  
0.4565


509.7072, 0.3274,  
0.3962

 63.3623, 0.3354,  
0.4703

 139.5627, 0.3327,  
0.4355

 46.1344, 0.3360,  
0.4873


 174.4163, 0.3318,  
0.4273

 32.3519, 0.3360,  
0.5087


214.6373, 0.3310,  
0.4203

 21.6304, 0.3348,  
0.5360

260.6101, 0.3301,  
0.4142

 13.5856, 0.3308,  
0.5719

312.7191, 0.3294,  
0.4088

 7.8330, 0.3212,  
0.6204

371.3487, 0.3287,

 3.9883, 0.3030,

0.4041

0.6970

436.8833, 0.3280,  
0.3999

1.6670, 0.2226,  
0.7774

0.4022, 0.0000,  
1.0000

84.4201, 0.3346,  
0.4565

84.4201, 0.3346,  
0.4565

81.9441, 0.3372,  
0.4873

87.2609, 0.3307,  
0.4252

79.8161, 0.3380,  
0.5161

90.4837, 0.3260,  
0.3948

78.0164, 0.3369,  
0.5411

94.1034, 0.3207,  
0.3661

76.5228, 0.3338,  
0.5608

98.1344, 0.3151,  
0.3396

■ 75.3094, 0.3289,  
0.5743

100.0000, 0.3127,  
0.3290

■ 74.7253, 0.3256,  
0.5797

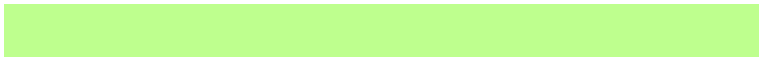
# Harmonies

## Analogous

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



84.4201, 0.3990, 0.4483



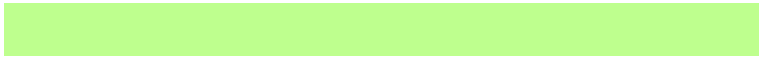
84.4201, 0.3346, 0.4565



84.4201, 0.2678, 0.4164

# Triad

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



84.4201, 0.3346, 0.4565



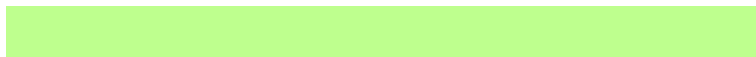
84.4201, 0.1946, 0.2354



84.4201, 0.4155, 0.3042

# Complementary

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



84.4201, 0.3346, 0.4565



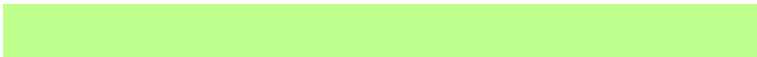
39.8418, 0.2773, 0.2067

# Split Complementary

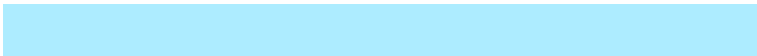
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4201, 0.3491, 0.2600



84.4201, 0.3346, 0.4565



84.4201, 0.2241, 0.2211

# Square

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



84.4201, 0.3346, 0.4565



84.4201, 0.1918, 0.2771



84.4201, 0.2782, 0.2305

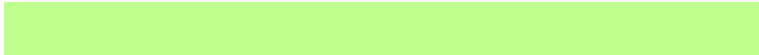


84.4201, 0.4509, 0.3561



# Rectangle

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



84.4201, 0.3346, 0.4565



84.4201, 0.2311, 0.3695



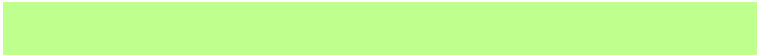
84.4201, 0.2782, 0.2305



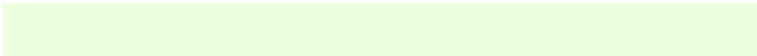
84.4201, 0.3956, 0.2883

# Sweetspot

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



84.4198, 0.3346, 0.4565



94.6060, 0.3199, 0.3625



67.3767, 0.3998, 0.3950



20.0686, 0.3211, 0.3686



0.0000, 0.0000, 0.0000

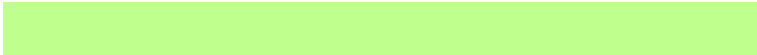


21.4041, 0.3127, 0.3290

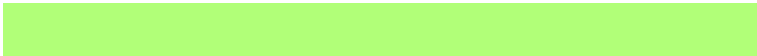


# Same Dimension

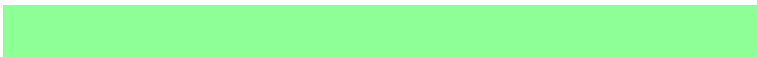
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4198, 0.3346, 0.4565



82.2472, 0.3369, 0.4834



79.4603, 0.3027, 0.4591



20.5451, 0.3180, 0.3531



39.1292, 0.3268, 0.5787



3.8726, 0.3356, 0.5717



# Inverse Universe

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



39.8418, 0.2773, 0.2067



32.5704, 0.2680, 0.1821



47.3566, 0.3242, 0.2265



17.8938, 0.3070, 0.3051



7.0905, 0.2176, 0.0972

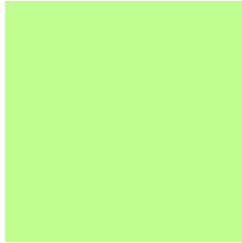


0.7548, 0.2289, 0.1035



# Previews

## White Background



This preview shows how the Yxy color 84.4201, 0.3346, 0.4565 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 84.4201, 0.3346, 0.4565 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 84.4201, 0.3346, 0.4565**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.4201, 0.3346, 0.4565.

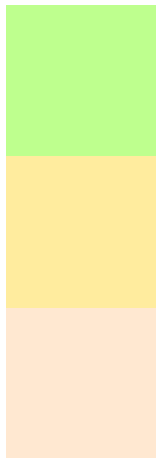


This preview shows how white text looks on a background with the Yxy color 84.4201, 0.3346, 0.4565.

# 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

84.4201, 0.3346, 0.4565

### Protanopia

83.7195, 0.3766, 0.4073

### Deuteranopia

83.5767, 0.3438, 0.3521



## Tritanopia

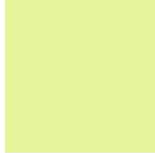
83.9872, 0.2882, 0.3134

# Trichromacy



## Original Color

84.4201, 0.3346, 0.4565



## Protanomaly

83.3571, 0.3604, 0.4251



## Deuteranomaly

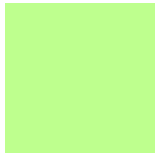
82.8119, 0.3410, 0.3875



## Tritanomaly

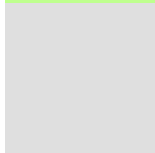
83.2817, 0.3061, 0.3629

# Monochromacy



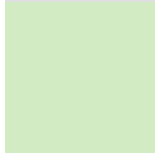
## Original Color

84.4201, 0.3346, 0.4565



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.1606, 0.3220, 0.3747

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.4201, 0.3346, 0.4565 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(190, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 142)  
}
```

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(190, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 84.4201, 0.3346, 0.4565 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(190, 255, 142) }
```

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

```
.border{ border-color:rgb(190, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.4201, 0.3346, 0.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 142) }
```

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

```
.background{ background-color: rgb(190,  
255, 142) }
```

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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