

# Converting Colors

$Yxy(91.2091, 0.3000, 0.3765)$

Have a look what the booklet for  
Yxy(91.2091, 0.3000, 0.3765)  
contains.

<b>Yxy(88.4321, 0.3005, 0.3726)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(88.4321, 0.3005, 0.3726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FFD7
RGB	198, 255, 215
RGB Percent	78%, 100%, 84%
CMY	0.2234, 0.0000, 0.1569
CMYK	0.22, 0.00, 0.16, 0.00
HSL	138°, 100%, 89%
HSV	138°, 22%, 100%
XYZ	71.3200, 88.4321, 77.5858
YIQ	233.3970, -21.1320, -24.5240

# Conversions

## Conversions Part 2

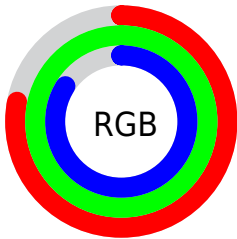
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 242, 255
Decimal	13041623
CIE <sub>Lab</sub>	95.34, -25.57, 13.33
CIE <sub>LCh</sub>	95, 28.838, 152.461
Yxy	88.4321, 0.3005, 0.3726
Android (android.graphics.Color)	4291231703 (0xFFC6FFD7)
YUV	233.3970, -9.0697, -31.0432
Hunter-Lab	94.0383, -29.1901, 16.9100

# Details

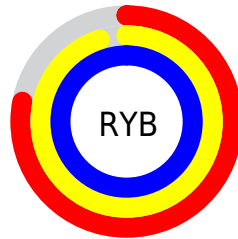
The Yxy color **88.4321, 0.3005, 0.3726** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.8434, 0.3276, 0.2891**, and the grayscale version is **81.8886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7659, 0.2974, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **84.3854, 0.2954, 0.3958**, and if you desaturate by 10%, it is **93.1705, 0.3059, 0.3517**.

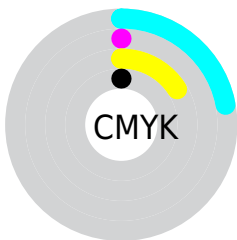
# Distribution



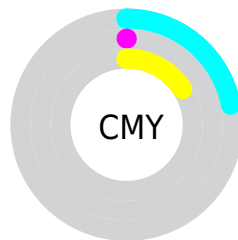
- Red (78%)
- Green (100%)
- Blue (84%)



- Red (78%)
- Yellow (95%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4321, 0.3005, 0.3726 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 88.4321, 0.3005, 0.3726 by changing the saturation by 10% instead.



 88.4321, 0.3005,  
0.3726

 88.4321, 0.3005,  
0.3726


522.9172, 0.3063,  
0.3525

 66.6810, 0.2992,  
0.3772


145.1586, 0.3025,  
0.3656

 48.8254, 0.2975,  
0.3828


180.9027, 0.3033,  
0.3629

 34.4810, 0.2953,  
0.3900


222.0800, 0.3040,  
0.3606

 23.2634, 0.2925,  
0.3993

269.0748, 0.3046,  
0.3585

 14.7881, 0.2886,  
0.4120

322.2716, 0.3051,  
0.3568

 8.6708, 0.2829,  
0.4301

382.0546, 0.3055,

 4.5271, 0.2737,

0.3552

0.4583

448.8084, 0.3059,  
0.3538

1.9726, 0.2569,  
0.5072

0.5915, 0.0000,  
1.0000

88.4321, 0.3005,  
0.3726

88.4321, 0.3005,  
0.3726

84.3854, 0.2954,  
0.3958

93.1705, 0.3059,  
0.3517

80.9867, 0.2909,  
0.4210

98.6197, 0.3114,  
0.3330

78.2047, 0.2873,  
0.4478


99.9991, 0.3127,  
0.3290

76.0010, 0.2849,  
0.4752

 74.3324, 0.2840,  
0.5021

 73.1497, 0.2848,  
0.5272

 72.3939, 0.2873,  
0.5492

 72.0387, 0.2898,  
0.5634

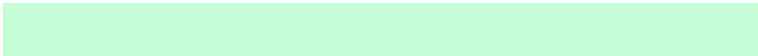
# Harmonies

## Analogous

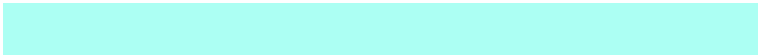
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4321, 0.3331, 0.3866



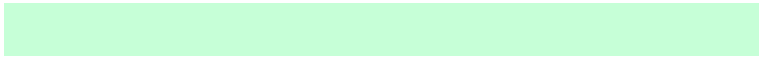
88.4321, 0.3005, 0.3726



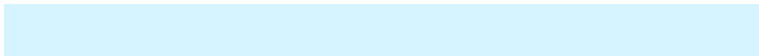
88.4321, 0.2722, 0.3449

# Triad

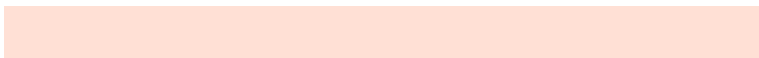
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.4321, 0.3005, 0.3726



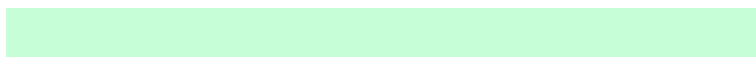
88.4321, 0.2650, 0.2767



88.4321, 0.3739, 0.3391

# Complementary

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



88.4321, 0.3005, 0.3726



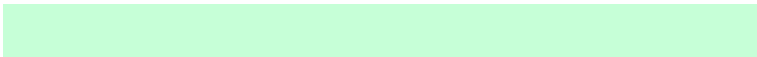
67.8434, 0.3276, 0.2891

# 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.



88.4321, 0.3538, 0.3125



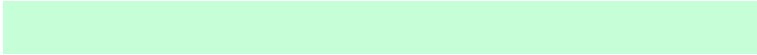
88.4321, 0.3005, 0.3726



88.4321, 0.2902, 0.2775

# Square

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



88.4321, 0.3005, 0.3726



88.4321, 0.2526, 0.2892



88.4321, 0.3226, 0.2905

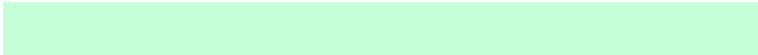


88.4321, 0.3765, 0.3648



# Rectangle

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



88.4321, 0.3005, 0.3726



88.4321, 0.2593, 0.3238



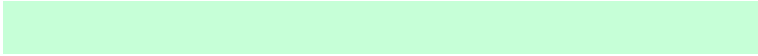
88.4321, 0.3226, 0.2905



88.4321, 0.3689, 0.3301

# Sweetspot

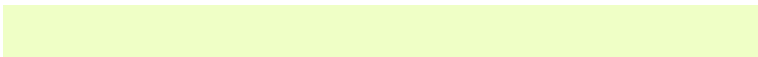
The Sweet Spot groups the original color and five complimentary colors.



88.4358, 0.3005, 0.3726



95.9888, 0.3089, 0.3414



93.9247, 0.3358, 0.3870



20.4751, 0.3085, 0.3426



0.0000, 0.0000, 0.0000

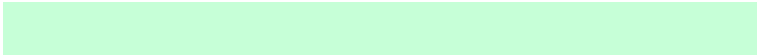


21.4041, 0.3127, 0.3290

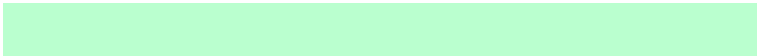


# Same Dimension

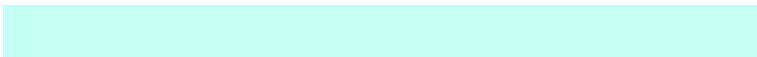
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4358, 0.3005, 0.3726



86.4646, 0.2981, 0.3832



89.9809, 0.2858, 0.3420



20.2571, 0.3075, 0.3461



37.6649, 0.2891, 0.5606



3.6855, 0.2829, 0.5384



# Inverse Universe

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



67.8434, 0.3276, 0.2891



62.4117, 0.3314, 0.2804



66.3391, 0.3488, 0.3164



18.2029, 0.3184, 0.3124



12.8404, 0.4139, 0.2054

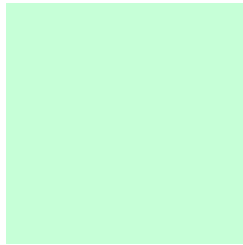


1.2695, 0.4007, 0.1981



# Previews

## White Background



This preview shows how the Yxy color 88.4321, 0.3005, 0.3726 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

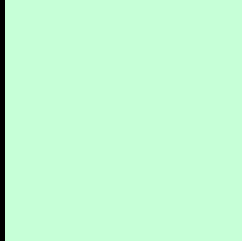
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.4321, 0.3005, 0.3726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

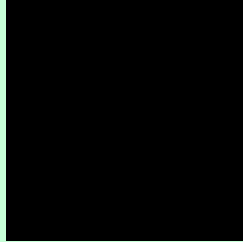
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

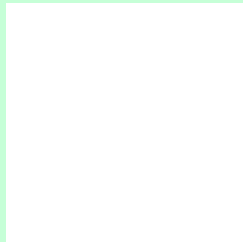
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.4321, 0.3005, 0.3726**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.4321, 0.3005, 0.3726.

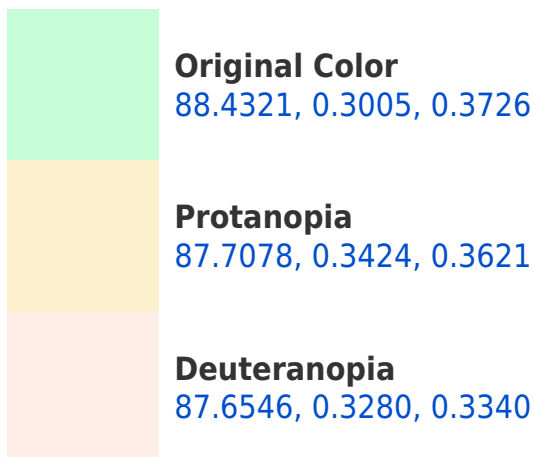


This preview shows how white text looks on a background with the Yxy color 88.4321, 0.3005, 0.3726.

# 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





## Tritanopia

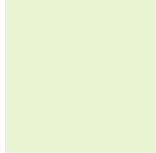
87.9289, 0.2944, 0.3178

# Trichromacy



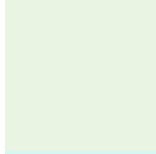
## Original Color

88.4321, 0.3005, 0.3726



## Protanomaly

87.2816, 0.3261, 0.3654



## Deuteranomaly

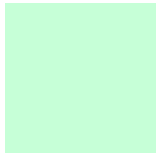
87.6848, 0.3171, 0.3475



## Tritanomaly

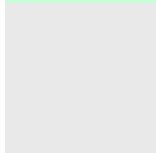
87.8731, 0.2968, 0.3373

# Monochromacy



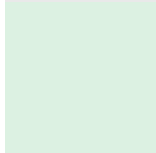
## Original Color

88.4321, 0.3005, 0.3726



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.6172, 0.3081, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.4321, 0.3005, 0.3726 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 88.4321, 0.3005, 0.3726 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, 215) }
```

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

```
.border{ border-color:rgb(198, 255, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.4321, 0.3005, 0.3726 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, 215) }
```

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

```
.background{ background-color: rgb(198,  
255, 215) }
```

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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