

# Converting Colors

Yxy(87.5553, 0.3289, 0.4202)

Have a look what the booklet for  
Yxy(87.5553, 0.3289, 0.4202)  
contains.

<b>Yxy(87.6204, 0.3291, 0.4200)</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(87.6204, 0.3291, 0.4200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEFFAC
RGB	206, 255, 172
RGB Percent	81%, 100%, 67%
CMY	0.1923, 0.0000, 0.3253
CMYK	0.19, 0.00, 0.33, 0.00
HSL	95°, 100%, 84%
HSV	95°, 33%, 100%
XYZ	68.6568, 87.6204, 52.3428
YIQ	230.8870, -2.5610, -36.2010

# Conversions

## Conversions Part 2

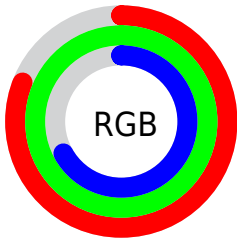
Format	Color
<b>RYB</b>	172, 255, 221
Decimal	13565868
CIELab	95.00, -29.83, 34.71
CIELCh	95, 45.762, 130.674
Yxy	87.6204, 0.3291, 0.4200
Android (android.graphics.Color)	4291755948 (0xFFCEFFAC)
YUV	230.8870, -29.0313, -21.8259
Hunter-Lab	93.6058, -32.8860, 32.3701

# Details

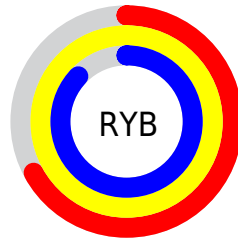
The Yxy color **87.6204, 0.3291, 0.4200** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.1236, 0.2899, 0.2412**, and the grayscale version is **80.0401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **48.2041, 0.3307, 0.4416** is the 20% darker color. If you saturate the color by 10%, you get **84.6757, 0.3329, 0.4514**, and if you desaturate by 10%, it is **90.9547, 0.3245, 0.3897**.

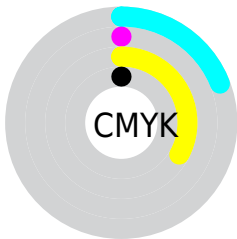
# Distribution



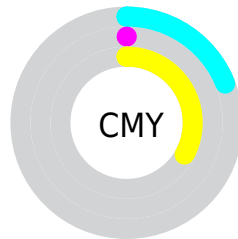
- Red (81%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (87%)



- Cyan (19%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6204, 0.3291, 0.4200 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 87.6204, 0.3291, 0.4200 by changing the saturation by 10% instead.





 87.6204, 0.3291,  
0.4200

 87.6204, 0.3291,  
0.4200


520.2593, 0.3230,  
0.3775

 66.0087, 0.3301,  
0.4297

 144.0286, 0.3273,  
0.4052

 48.2795, 0.3311,  
0.4417


179.5938, 0.3265,  
0.3995

 34.0483, 0.3321,  
0.4568

220.5791, 0.3258,  
0.3945

 22.9307, 0.3329,  
0.4764

267.3688, 0.3251,  
0.3902

 14.5423, 0.3329,  
0.5026

320.3473, 0.3245,  
0.3865

 8.4988, 0.3308,  
0.5390


379.8989, 0.3240,


 4.4158, 0.3252,


0.3831

0.5956


446.4081, 0.3235,  
0.3802


 1.9087, 0.3082,  
0.6918


 0.5536, 0.0000,  
1.0000


 87.6204, 0.3291,  
0.4200


 87.6204, 0.3291,  
0.4200


 84.6757, 0.3329,  
0.4514


 90.9547, 0.3245,  
0.3897

 82.1118, 0.3355,  
0.4826

 94.7020, 0.3194,  
0.3613

 79.9082, 0.3365,  
0.5122

 98.8741, 0.3141,  
0.3352

 78.0452, 0.3356,  
0.5382

100.0000, 0.3127,  
0.3290

■ 76.5008, 0.3327,  
0.5591

■ 75.2493, 0.3280,  
0.5738

■ 74.4807, 0.3238,  
0.5811

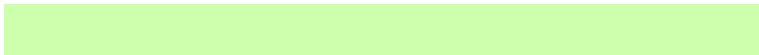
# Harmonies

## Analogous

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



87.6204, 0.3772, 0.4187



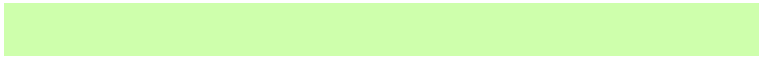
87.6204, 0.3291, 0.4200



87.6204, 0.2789, 0.3897

# Triad

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



87.6204, 0.3291, 0.4200



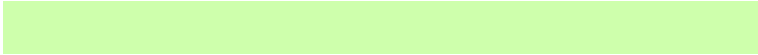
87.6204, 0.2231, 0.2585



87.6204, 0.3895, 0.3130

# Complementary

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



87.6204, 0.3291, 0.4200



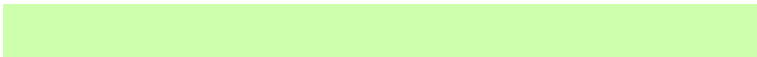
52.1236, 0.2899, 0.2412

# Split Complementary

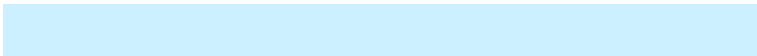
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6204, 0.3421, 0.2778



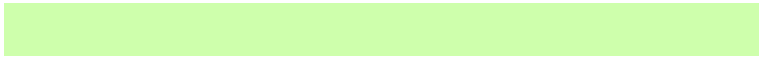
87.6204, 0.3291, 0.4200



87.6204, 0.2472, 0.2467

# Square

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



87.6204, 0.3291, 0.4200



87.6204, 0.2205, 0.2907



87.6204, 0.2896, 0.2542

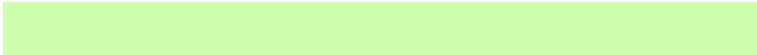


87.6204, 0.4147, 0.3536

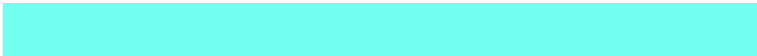


# Rectangle

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



87.6204, 0.3291, 0.4200



87.6204, 0.2510, 0.3570



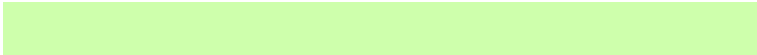
87.6204, 0.2896, 0.2542



87.6204, 0.3754, 0.3003

# Sweetspot

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



87.6178, 0.3291, 0.4200



95.7180, 0.3180, 0.3545



75.6544, 0.3724, 0.3787



20.3662, 0.3188, 0.3582



0.0000, 0.0000, 0.0000

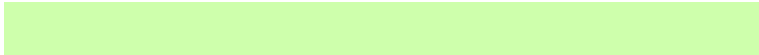


21.4041, 0.3127, 0.3290

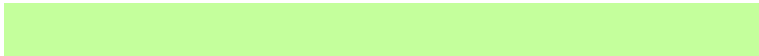


# Same Dimension

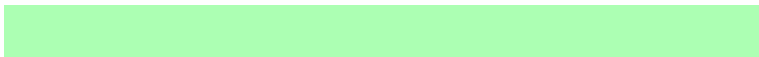
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6178, 0.3291, 0.4200



85.6711, 0.3317, 0.4402



83.5481, 0.3046, 0.4177



20.5308, 0.3178, 0.3531



38.9998, 0.3250, 0.5802



3.8592, 0.3338, 0.5732



# Inverse Universe

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



52.1236, 0.2899, 0.2412



45.1913, 0.2839, 0.2224



57.5632, 0.3219, 0.2540



17.9083, 0.3072, 0.3051



7.2852, 0.2210, 0.0991

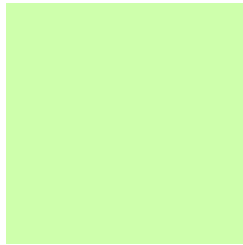


0.7733, 0.2320, 0.1052



# Previews

## White Background



This preview shows how the Yxy color 87.6204, 0.3291, 0.4200 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 87.6204, 0.3291, 0.4200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

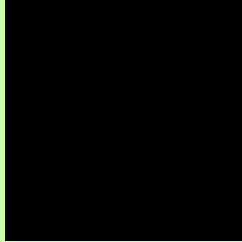
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

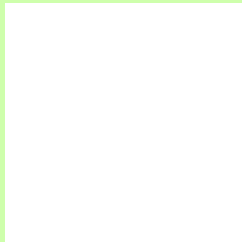
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.6204, 0.3291, 0.4200**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.6204, 0.3291, 0.4200.

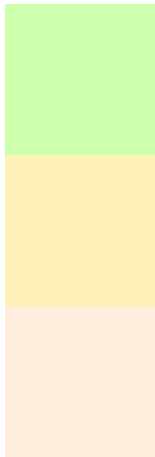


This preview shows how white text looks on a background with the Yxy color 87.6204, 0.3291, 0.4200.

# 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

87.6204, 0.3291, 0.4200

### Protanopia

87.1253, 0.3574, 0.3832

### Deuteranopia

87.1023, 0.3345, 0.3439



## Tritanopia

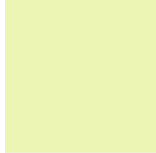
87.0552, 0.2956, 0.3158

# Trichromacy



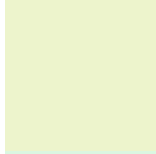
## Original Color

87.6204, 0.3291, 0.4200



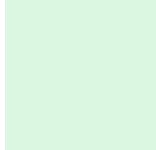
## Protanomaly

86.6455, 0.3467, 0.3956



## Deuteranomaly

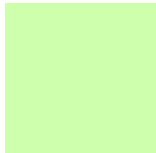
87.0655, 0.3326, 0.3704



## Tritanomaly

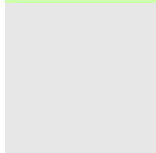
87.0178, 0.3078, 0.3522

# Monochromacy



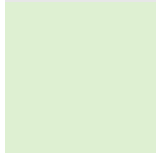
## Original Color

87.6204, 0.3291, 0.4200



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.5029, 0.3191, 0.3611

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.6204, 0.3291, 0.4200 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(206, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 172)  
}
```

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(206, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 87.6204, 0.3291, 0.4200 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(206, 255, 172) }
```

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

```
.border{ border-color:rgb(206, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.6204, 0.3291, 0.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 172) }
```

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

```
.background{ background-color: rgb(206,  
255, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor