

Converting Colors

$Yxy(87.9358, 0.3305, 0.4196)$

Have a look what the booklet for
Yxy(87.9358, 0.3305, 0.4196)
contains.

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Color

Yxy(87.9085, 0.3304, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	D0FFAC
RGB	208, 255, 172
RGB Percent	82%, 100%, 67%
CMY	0.1846, 0.0000, 0.3255
CMYK	0.18, 0.00, 0.33, 0.00
HSL	94°, 100%, 84%
HSV	94°, 33%, 100%
XYZ	69.2041, 87.9085, 52.3429
YIQ	231.4850, -1.3690, -35.7770

Conversions

Conversions Part 2

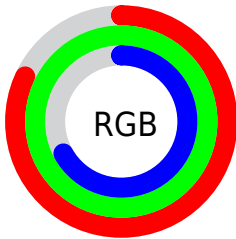
Format	Color
RYB	172, 255, 219
Decimal	13696940
CIELab	95.12, -29.16, 34.92
CIELCh	95, 45.492, 129.867
Yxy	87.9085, 0.3304, 0.4197
Android (android.graphics.Color)	4291887020 (0xFFD0FFAC)
YUV	231.4850, -29.3261, -20.5963
Hunter-Lab	93.7595, -32.3279, 32.5320

Details

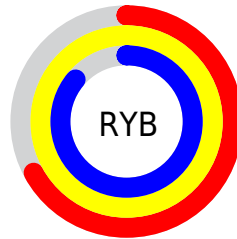
The Yxy color **87.9085, 0.3304, 0.4197** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.7887, 0.2883, 0.2407**, and the grayscale version is **80.4980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **48.3955, 0.3324, 0.4410** is the 20% darker color. If you saturate the color by 10%, you get **85.0109, 0.3346, 0.4508**, and if you desaturate by 10%, it is **91.1653, 0.3254, 0.3896**.

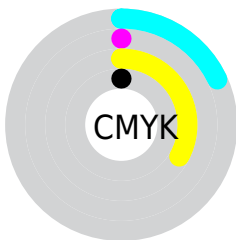
Distribution



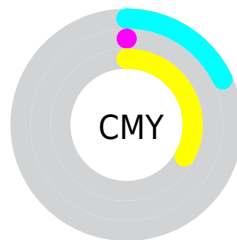
- Red (82%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (86%)



- Cyan (18%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9085, 0.3304, 0.4197 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 87.9085, 0.3304, 0.4197 by changing the saturation by 10% instead.


 87.9085, 0.3304,
0.4197

 87.9085, 0.3304,
0.4197

521.2035, 0.3237,
0.3774

 66.2473, 0.3315,
0.4293


 144.4298, 0.3284,
0.4050

 48.4732, 0.3327,
0.4412

180.0586, 0.3275,
0.3993

 34.2018, 0.3339,
0.4562


221.1121, 0.3267,
0.3944

 23.0486, 0.3349,
0.4756

267.9747, 0.3260,
0.3901

 14.6294, 0.3353,
0.5015

321.0307, 0.3254,
0.3863

 8.5597, 0.3337,
0.5375


380.6646, 0.3248,


 4.4551, 0.3288,


0.3830


0.5931


447.2608, 0.3242,
0.3801


 1.9313, 0.3130,
0.6870


 0.5671, 0.0000,
1.0000


 87.9085, 0.3304,
0.4197

 87.9085, 0.3304,
0.4197


 85.0109, 0.3346,
0.4508


 91.1653, 0.3254,
0.3896

 82.4863, 0.3375,
0.4817

 94.8259, 0.3199,
0.3613

 80.3077, 0.3389,
0.5108

 98.8941, 0.3142,
0.3353

 78.4561, 0.3382,
0.5365

100.0000, 0.3127,
0.3290

■ 76.9104, 0.3355,
0.5571

■ 75.6457, 0.3309,
0.5716

■ 74.8623, 0.3266,
0.5789

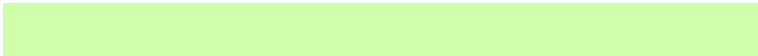
Harmonies

Analogous

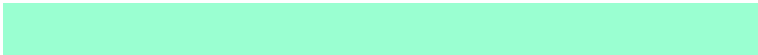
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9085, 0.3779, 0.4177



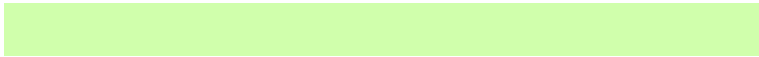
87.9085, 0.3304, 0.4197



87.9085, 0.2804, 0.3904

Triad

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



87.9085, 0.3304, 0.4197



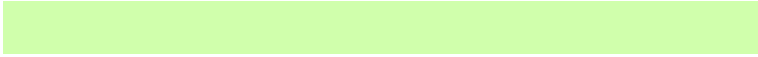
87.9085, 0.2233, 0.2596



87.9085, 0.3879, 0.3121

Complementary

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



87.9085, 0.3304, 0.4197



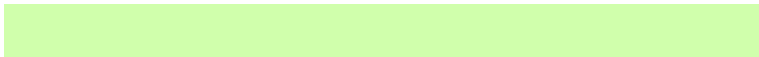
51.7887, 0.2883, 0.2407

Split Complementary

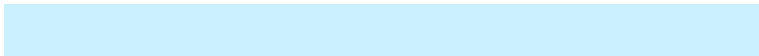
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9085, 0.3405, 0.2773



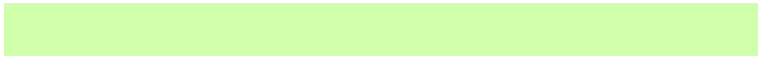
87.9085, 0.3304, 0.4197



87.9085, 0.2467, 0.2473

Square

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



87.9085, 0.3304, 0.4197



87.9085, 0.2213, 0.2922



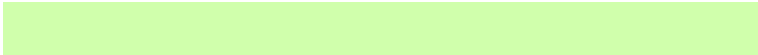
87.9085, 0.2885, 0.2542



87.9085, 0.4137, 0.3524

Rectangle

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



87.9085, 0.3304, 0.4197



87.9085, 0.2524, 0.3582



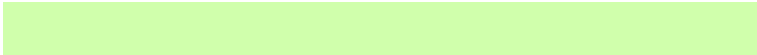
87.9085, 0.2885, 0.2542



87.9085, 0.3738, 0.2995

Sweetspot

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



87.8986, 0.3304, 0.4197



95.8255, 0.3184, 0.3544



74.9158, 0.3729, 0.3774



20.3921, 0.3192, 0.3582



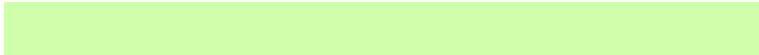
0.0000, 0.0000, 0.0000



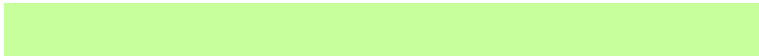
21.4041, 0.3127, 0.3290

Same Dimension

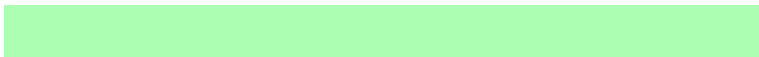
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8986, 0.3304, 0.4197



85.9947, 0.3332, 0.4397



83.4845, 0.3053, 0.4195



20.5528, 0.3181, 0.3531



39.2015, 0.3278, 0.5779



3.8800, 0.3366, 0.5709

Inverse Universe

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



51.7887, 0.2883, 0.2407



44.8334, 0.2820, 0.2219



57.6291, 0.3208, 0.2527



17.8859, 0.3068, 0.3051



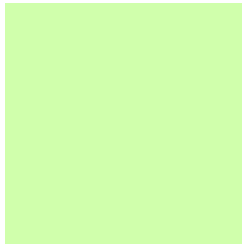
6.9878, 0.2158, 0.0962



0.7450, 0.2272, 0.1025

Previews

White Background



This preview shows how the Yxy color 87.9085, 0.3304, 0.4197 looks on a white background.

Color Contrast Check

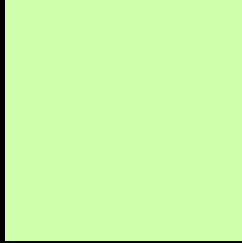
Large Text (above 18pt) WCAG AA × Fail

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 87.9085, 0.3304, 0.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

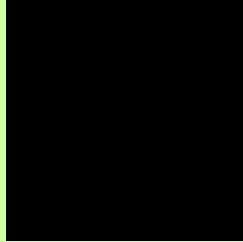
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

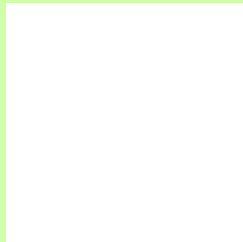
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9085, 0.3304, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 87.9085, 0.3304, 0.4197.

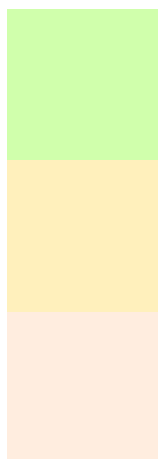


This preview shows how white text looks on a background with the Yxy color 87.9085, 0.3304, 0.4197.

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

87.9085, 0.3304, 0.4197

Protanopia

87.2110, 0.3561, 0.3812

Deuteranopia

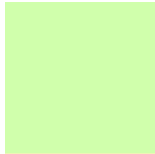
87.1561, 0.3338, 0.3429



Tritanopia

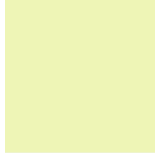
87.3823, 0.2968, 0.3159

Trichromacy



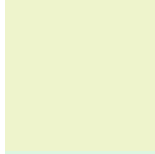
Original Color

87.9085, 0.3304, 0.4197



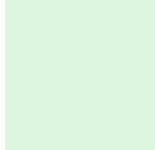
Protanomaly

86.8594, 0.3467, 0.3944



Deuteranomaly

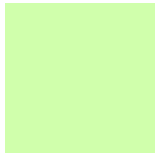
87.2381, 0.3333, 0.3703



Tritanomaly

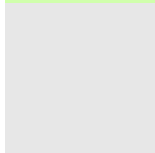
87.3299, 0.3091, 0.3521

Monochromacy



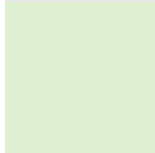
Original Color

87.9085, 0.3304, 0.4197



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.6613, 0.3198, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9085, 0.3304, 0.4197 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(208, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 87.9085, 0.3304, 0.4197 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(208, 255, 172) }
```

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

```
.border{ border-color:rgb(208, 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(208, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(208, 255, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(208, 255, 172); box-shadow:4px 4px 4px 4px rgb(208, 255, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9085, 0.3304, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 172) }
```

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

```
.background{ background-color: rgb(208,  
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](#).

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