

Converting Colors

$Yxy(87.6183, 0.3405, 0.4306)$

Have a look what the booklet for
Yxy(87.6183, 0.3405, 0.4306)
contains.

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Color

Yxy(87.5678, 0.3405, 0.4307)

Conversions

Conversions Part 1

Format	Color
Hex	D5FEA0
RGB	213, 254, 160
RGB Percent	84%, 100%, 63%
CMY	0.1647, 0.0039, 0.3725
CMYK	0.16, 0.00, 0.37, 0.00
HSL	86°, 98%, 81%
HSV	86°, 37%, 100%
XYZ	69.2288, 87.5678, 46.5185
YIQ	231.0250, 5.7380, -37.9260

Conversions

Conversions Part 2

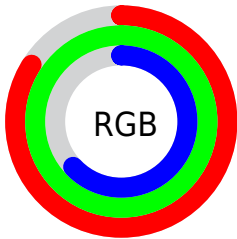
Format	Color
RYB	160, 254, 201
Decimal	14024352
CIELab	94.98, -28.49, 40.71
CIELCh	95, 49.687, 124.983
Yxy	87.5678, 0.3405, 0.4307
Android (android.graphics.Color)	4292214432 (0xFFD5FEA0)
YUV	231.0250, -35.0153, -15.8079
Hunter-Lab	93.5777, -31.7066, 36.0307

Details

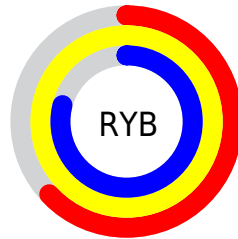
The Yxy color **87.5678, 0.3405, 0.4307** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.7247, 0.2744, 0.2250**, and the grayscale version is **80.1964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **48.1621, 0.3447, 0.4545** is the 20% darker color. If you saturate the color by 10%, you get **85.1705, 0.3464, 0.4600**, and if you desaturate by 10%, it is **90.2676, 0.3336, 0.4014**.

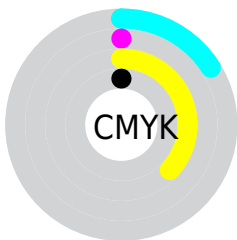
Distribution



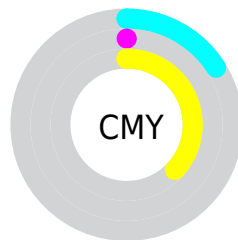
- Red (84%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (79%)



- Cyan (16%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5678, 0.3405, 0.4307 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 87.5678, 0.3405, 0.4307 by changing the saturation by 10% instead.


 87.5678, 0.3405,
0.4307


 87.5678, 0.3405,
0.4307


520.0868, 0.3296,
0.3834

 65.9652, 0.3424,
0.4414


 143.9553, 0.3372,
0.4143

 48.2441, 0.3445,
0.4545


 179.5090, 0.3357,
0.4080

 34.0203, 0.3467,
0.4710


220.4818, 0.3345,
0.4025

 22.9092, 0.3488,
0.4920

267.2581, 0.3333,
0.3977

 14.5265, 0.3501,
0.5197

320.2224, 0.3323,
0.3935

 8.4877, 0.3491,
0.5571

379.7590, 0.3313,

 4.4086, 0.3509,

0.3897

0.6257

446.2524, 0.3304,
0.3864

■ 1.9046, 0.3163,
0.6837

■ 0.5512, 0.0000,
1.0000

■ 87.5678, 0.3405,
0.4307

■ 87.5678, 0.3405,
0.4307

■ 85.1705, 0.3464,
0.4600

■ 90.2676, 0.3336,
0.4014

■ 83.0508, 0.3507,
0.4882

■ 93.2709, 0.3260,
0.3731

■ 81.1979, 0.3530,
0.5136

■ 96.5929, 0.3182,
0.3465

■ 79.5955, 0.3530,
0.5351

99.3666, 0.3128,
0.3281

■ 78.2244, 0.3506,
0.5513

■ 77.0613, 0.3460,
0.5621

■ 76.7432, 0.3444,
0.5647

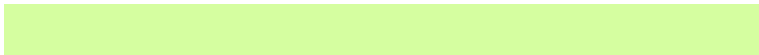
Harmonies

Analogous

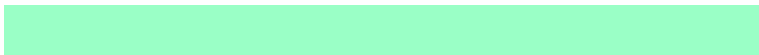
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5678, 0.3905, 0.4222



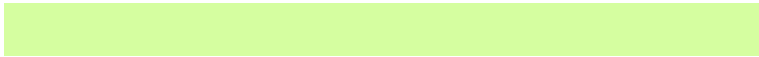
87.5678, 0.3405, 0.4307



87.5678, 0.2855, 0.4041

Triad

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



87.5678, 0.3405, 0.4307



87.5678, 0.2139, 0.2575



87.5678, 0.3877, 0.3036

Complementary

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



87.5678, 0.3405, 0.4307



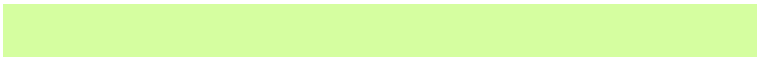
44.7247, 0.2744, 0.2250

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.



87.5678, 0.3335, 0.2679



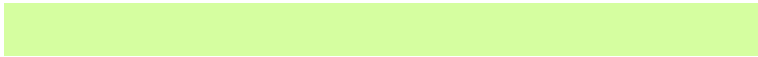
87.5678, 0.3405, 0.4307



87.5678, 0.2354, 0.2411

Square

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



87.5678, 0.3405, 0.4307



87.5678, 0.2154, 0.2959



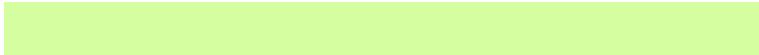
87.5678, 0.2776, 0.2455



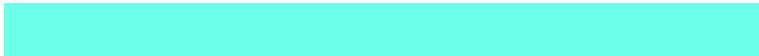
87.5678, 0.4208, 0.3465

Rectangle

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



87.5678, 0.3405, 0.4307



87.5678, 0.2536, 0.3702



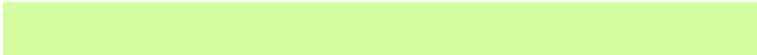
87.5678, 0.2776, 0.2455



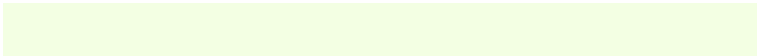
87.5678, 0.3711, 0.2905

Sweetspot

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



87.5716, 0.3405, 0.4307



96.0757, 0.3213, 0.3569



65.2654, 0.3875, 0.3717



20.4666, 0.3224, 0.3605



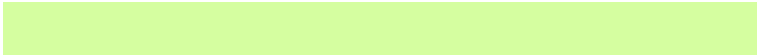
0.0000, 0.0000, 0.0000



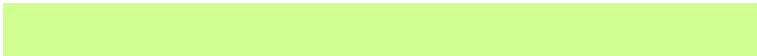
21.4041, 0.3127, 0.3290

Same Dimension

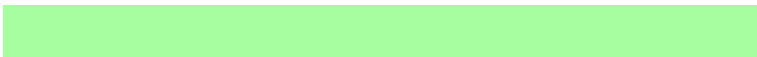
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5716, 0.3405, 0.4307



86.6261, 0.3448, 0.4513



81.5631, 0.3110, 0.4406



20.6733, 0.3201, 0.3530



40.5471, 0.3455, 0.5639



4.0126, 0.3535, 0.5575

Inverse Universe

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



44.7247, 0.2744, 0.2250



37.9788, 0.2650, 0.2033



52.2129, 0.3119, 0.2357



17.7654, 0.3047, 0.3049



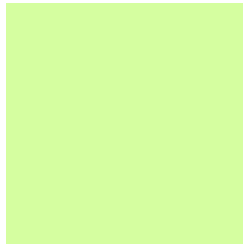
5.6316, 0.1903, 0.0822



0.6116, 0.2029, 0.0891

Previews

White Background



This preview shows how the Yxy color 87.5678, 0.3405, 0.4307 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 87.5678, 0.3405, 0.4307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

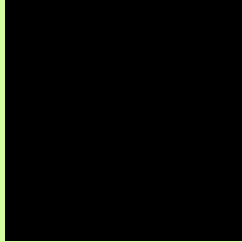
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

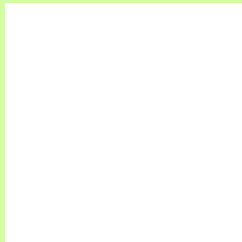
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5678, 0.3405, 0.4307

Background



This preview shows how black text looks on a background with the Yxy color 87.5678, 0.3405, 0.4307.

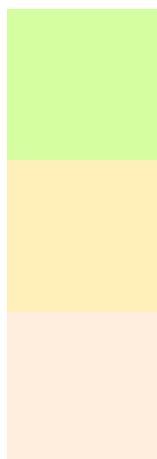


This preview shows how white text looks on a background with the Yxy color 87.5678, 0.3405, 0.4307.

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

87.5678, 0.3405, 0.4307

Protanopia

87.0830, 0.3580, 0.3842

Deuteranopia

87.0488, 0.3351, 0.3449



Tritanopia

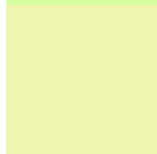
87.1195, 0.2981, 0.3149

Trichromacy



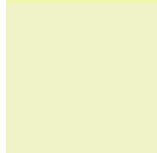
Original Color

87.5678, 0.3405, 0.4307



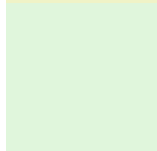
Protanomaly

86.9647, 0.3518, 0.4004



Deuteranomaly

86.7500, 0.3379, 0.3744



Tritanomaly

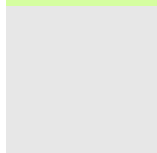
86.9261, 0.3140, 0.3563

Monochromacy



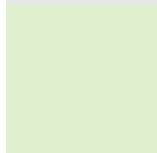
Original Color

87.5678, 0.3405, 0.4307



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.9881, 0.3237, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5678, 0.3405, 0.4307 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(213, 254, 160)` looks like.

```
.text, #text, p{  
    color:rgb(213, 254, 160)  
}
```

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(213, 254, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 254, 160) }
```

Border

The CSS property to change the border of an element to Yxy 87.5678, 0.3405, 0.4307 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(213, 254, 160) }
```

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

```
.border{ border-color:rgb(213, 254, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 254, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 254, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 254, 160);  
box-shadow:4px 4px 4px 4px rgb(213, 254,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5678, 0.3405, 0.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 254, 160) }
```

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

```
.background{ background-color: rgb(213,  
254, 160) }
```

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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