

Converting Colors

$Yxy(90.0837, 0.3379, 0.4401)$

Have a look what the booklet for
Yxy(90.0837, 0.3379, 0.4401)
contains.

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Color

Yxy(87.3642, 0.3386, 0.4359)

Conversions

Conversions Part 1

Format	Color
Hex	D0FF9D
RGB	208, 255, 157
RGB Percent	82%, 100%, 62%
CMY	0.1843, 0.0000, 0.3842
CMYK	0.18, 0.00, 0.38, 0.00
HSL	89°, 100%, 81%
HSV	89°, 38%, 100%
XYZ	67.8631, 87.3642, 45.1953
YIQ	229.7750, 3.4460, -40.4420

Conversions

Conversions Part 2

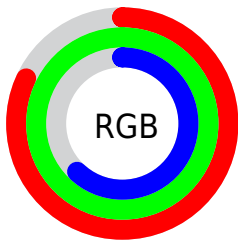
Format	Color
RYB	157, 255, 204
Decimal	13696925
CIELab	94.89, -31.09, 42.00
CIElCh	95, 52.260, 126.512
Yxy	87.3642, 0.3386, 0.4359
Android (android.graphics.Color)	4291887005 (0xFFD0FF9D)
YUV	229.7750, -35.8781, -19.0967
Hunter-Lab	93.4688, -33.9704, 36.7595

Details

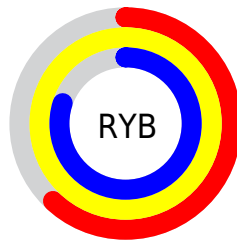
The Yxy color **87.3642, 0.3386, 0.4359** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.1820, 0.2759, 0.2215**, and the grayscale version is **79.2292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **48.0630, 0.3421, 0.4613** is the 20% darker color. If you saturate the color by 10%, you get **84.8802, 0.3435, 0.4658**, and if you desaturate by 10%, it is **90.1731, 0.3325, 0.4060**.

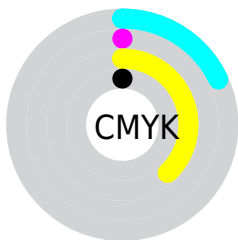
Distribution



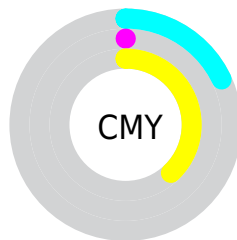
- Red (82%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (80%)



- Cyan (18%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3642, 0.3386, 0.4359 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 87.3642, 0.3386, 0.4359 by changing the saturation by 10% instead.


 87.3642, 0.3386,
0.4359


 87.3642, 0.3386,
0.4359


519.4189, 0.3288,
0.3860

 65.7966, 0.3403,
0.4472


 143.6717, 0.3357,
0.4186

 48.1073, 0.3420,
0.4611


 179.1804, 0.3344,
0.4119

 33.9119, 0.3437,
0.4785

220.1049, 0.3332,
0.4061

 22.8259, 0.3450,
0.5008

266.8296, 0.3322,
0.4010

 14.4650, 0.3452,
0.5302

319.7390, 0.3312,
0.3966

 8.4448, 0.3424,
0.5698

379.2174, 0.3303,

 4.3809, 0.3435,

0.3927

0.6470

445.6493, 0.3295,
0.3892

■ 1.8888, 0.2996,
0.7004

■ 0.5416, 0.0000,
1.0000

■ 87.3642, 0.3386,
0.4359

■ 87.3642, 0.3386,
0.4359

■ 84.8802, 0.3435,
0.4658

■ 90.1731, 0.3325,
0.4060

■ 82.6970, 0.3469,
0.4944

■ 93.3105, 0.3258,
0.3772

■ 80.8020, 0.3482,
0.5202

■ 96.7923, 0.3187,
0.3502

■ 79.1773, 0.3473,
0.5417

100.0000, 0.3127,
0.3290

■ 77.8025, 0.3441,
0.5578

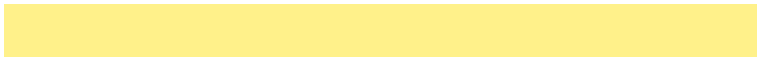
■ 76.6501, 0.3390,
0.5683

■ 76.4831, 0.3381,
0.5697

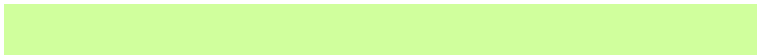
Harmonies

Analogous

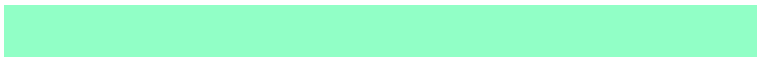
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3642, 0.3919, 0.4280



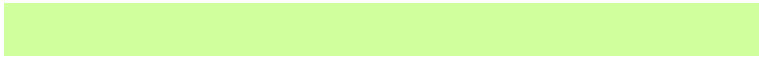
87.3642, 0.3386, 0.4359



87.3642, 0.2811, 0.4061

Triad

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



87.3642, 0.3386, 0.4359



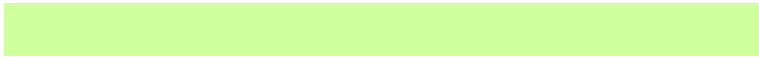
87.3642, 0.2099, 0.2524



87.3642, 0.3941, 0.3043

Complementary

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



87.3642, 0.3386, 0.4359



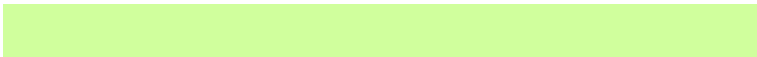
44.1820, 0.2759, 0.2215

Split Complementary

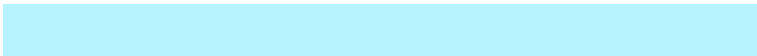
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3642, 0.3375, 0.2666



87.3642, 0.3386, 0.4359



87.3642, 0.2334, 0.2367

Square

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



87.3642, 0.3386, 0.4359



87.3642, 0.2101, 0.2913



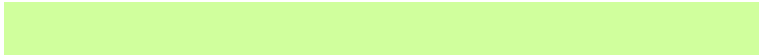
87.3642, 0.2784, 0.2425



87.3642, 0.4274, 0.3493

Rectangle

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



87.3642, 0.3386, 0.4359



87.3642, 0.2482, 0.3694



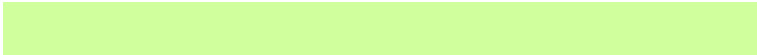
87.3642, 0.2784, 0.2425



87.3642, 0.3769, 0.2906

Sweetspot

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



87.3674, 0.3386, 0.4359



95.5058, 0.3213, 0.3596



66.2880, 0.3899, 0.3766



20.3441, 0.3222, 0.3632



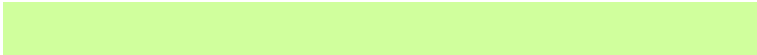
0.0000, 0.0000, 0.0000



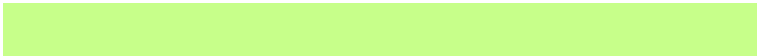
21.4041, 0.3127, 0.3290

Same Dimension

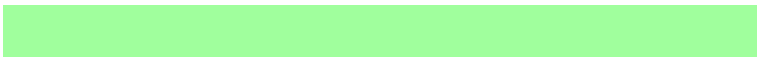
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3674, 0.3386, 0.4359



85.4539, 0.3425, 0.4586



81.4590, 0.3090, 0.4463



20.6331, 0.3195, 0.3530



40.0536, 0.3393, 0.5688



3.9649, 0.3477, 0.5621

Inverse Universe

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



44.1820, 0.2759, 0.2215



36.7741, 0.2664, 0.1986



51.9889, 0.3145, 0.2330



17.8051, 0.3054, 0.3050



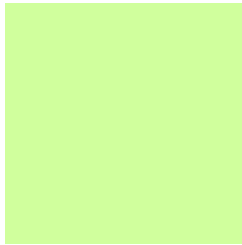
6.0333, 0.1982, 0.0865



0.6520, 0.2106, 0.0934

Previews

White Background



This preview shows how the Yxy color 87.3642, 0.3386, 0.4359 looks on a white background.

Color Contrast Check

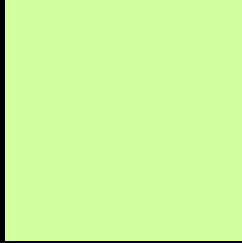
Large Text (above 18pt) WCAG AA × Fail

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 87.3642, 0.3386, 0.4359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

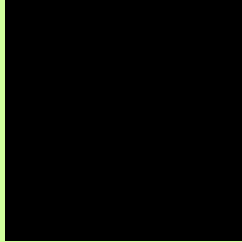
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

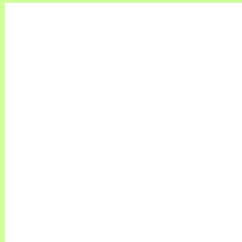
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3642, 0.3386, 0.4359

Background



This preview shows how black text looks on a background with the Yxy color 87.3642, 0.3386, 0.4359.

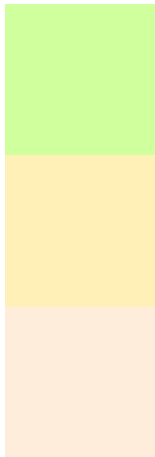


This preview shows how white text looks on a background with the Yxy color 87.3642, 0.3386, 0.4359.

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

87.3642, 0.3386, 0.4359

Protanopia

86.9991, 0.3593, 0.3862

Deuteranopia

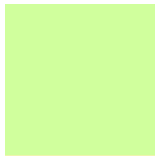
86.9957, 0.3358, 0.3459



Tritanopia

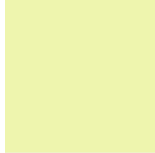
87.2182, 0.2962, 0.3158

Trichromacy



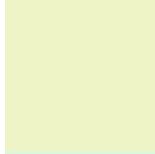
Original Color

87.3642, 0.3386, 0.4359



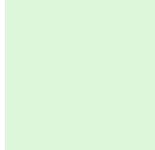
Protanomaly

86.5380, 0.3516, 0.4028



Deuteranomaly

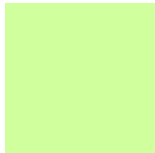
86.9097, 0.3376, 0.3777



Tritanomaly

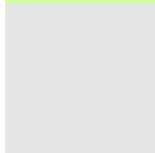
87.0082, 0.3126, 0.3585

Monochromacy



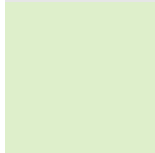
Original Color

87.3642, 0.3386, 0.4359



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5744, 0.3236, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3642, 0.3386, 0.4359 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 157) }
```

Border

The CSS property to change the border of an element to Yxy 87.3642, 0.3386, 0.4359 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, 157) }
```

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

```
.border{ border-color:rgb(208, 255, 157) }
```

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, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3642, 0.3386, 0.4359 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, 157) }
```

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

```
.background{ background-color: rgb(208,  
255, 157) }
```

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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