

Converting Colors

$Yxy(86.8146, 0.3362, 0.4371)$

Have a look what the booklet for
Yxy(86.8146, 0.3362, 0.4371)
contains.

Yxy(86.7917, 0.3360, 0.4369)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.7917, 0.3360, 0.4369)

Conversions

Conversions Part 1

Format	Color
Hex	CCFF9D
RGB	204, 255, 157
RGB Percent	80%, 100%, 62%
CMY	0.1999, 0.0000, 0.3845
CMYK	0.20, 0.00, 0.38, 0.00
HSL	91°, 100%, 81%
HSV	91°, 38%, 100%
XYZ	66.7476, 86.7917, 45.1142
YIQ	228.5790, 1.0620, -41.2900

Conversions

Conversions Part 2

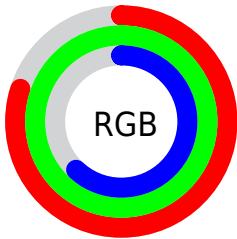
Format	Color
RYB	157, 255, 208
Decimal	13434781
CIELab	94.65, -32.51, 41.67
CIELCh	95, 52.855, 127.958
Yxy	86.7917, 0.3360, 0.4369
Android (android.graphics.Color)	4291624861 (0xFFCCFF9D)
YUV	228.5790, -35.2884, -21.5558
Hunter-Lab	93.1621, -35.1442, 36.5020

Details

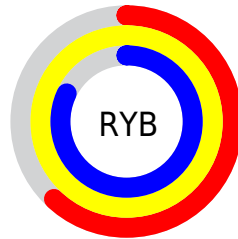
The Yxy color **86.7917, 0.3360, 0.4369** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.7231, 0.2789, 0.2224**, and the grayscale version is **78.2918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **47.6835, 0.3387, 0.4627** is the 20% darker color. If you saturate the color by 10%, you get **84.2155, 0.3403, 0.4674**, and if you desaturate by 10%, it is **89.7105, 0.3306, 0.4066**.

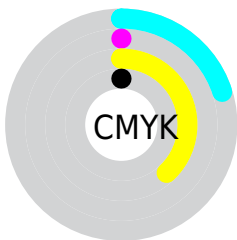
Distribution



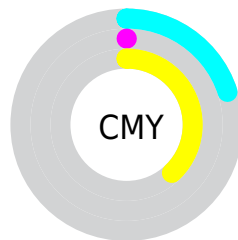
- Red (80%)
- Green (100%)
- Blue (62%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7917, 0.3360, 0.4369 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 86.7917, 0.3360, 0.4369 by changing the saturation by 10% instead.

 86.7917, 0.3360,
0.4369


 86.7917, 0.3360,
0.4369

517.5382, 0.3274,
0.3864

 65.3228, 0.3374,
0.4484


 142.8738, 0.3335,
0.4194

 47.7229, 0.3388,
0.4626

 178.2558, 0.3323,
0.4125

 33.6075, 0.3401,
0.4803


219.0443, 0.3313,
0.4067

 22.5922, 0.3408,
0.5032

265.6237, 0.3304,
0.4015

 14.2927, 0.3403,
0.5333

318.3784, 0.3295,
0.3971

 8.3245, 0.3365,
0.5742

377.6928, 0.3287,

 4.3033, 0.3363,

0.3931

0.6549

443.9512, 0.3280,
0.3896

■ 1.8446, 0.2885,
0.7115

■ 0.5148, 0.0000,
1.0000

■ 86.7917, 0.3360,
0.4369

■ 86.7917, 0.3360,
0.4369

■ 84.2155, 0.3403,
0.4674

■ 89.7105, 0.3306,
0.4066

■ 81.9647, 0.3430,
0.4967

■ 92.9841, 0.3246,
0.3775

■ 80.0230, 0.3438,
0.5232

■ 96.6267, 0.3182,
0.3503

■ 78.3717, 0.3424,
0.5453

100.0000, 0.3127,
0.3290

■ 76.9893, 0.3388,
0.5619

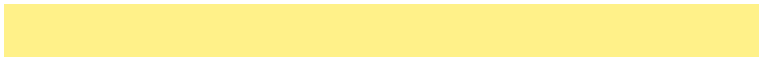
■ 75.8470, 0.3334,
0.5727

■ 75.6857, 0.3326,
0.5741

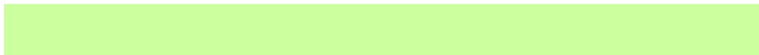
Harmonies

Analogous

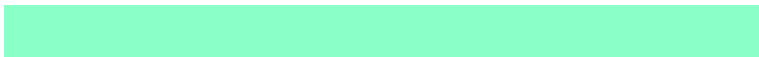
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7917, 0.3905, 0.4304



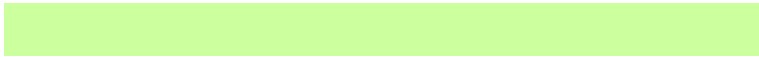
86.7917, 0.3360, 0.4369



86.7917, 0.2780, 0.4049

Triad

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



86.7917, 0.3360, 0.4369



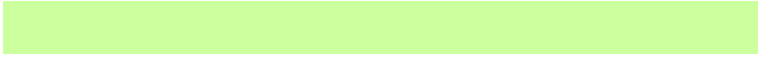
86.7917, 0.2093, 0.2501



86.7917, 0.3976, 0.3061

Complementary

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



86.7917, 0.3360, 0.4369



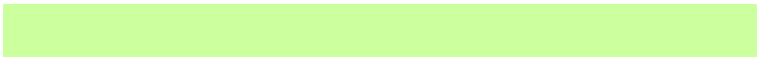
44.7231, 0.2789, 0.2224

Split Complementary

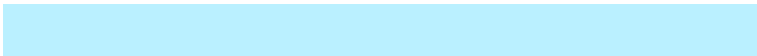
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7917, 0.3408, 0.2674



86.7917, 0.3360, 0.4369



86.7917, 0.2342, 0.2354

Square

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



86.7917, 0.3360, 0.4369



86.7917, 0.2083, 0.2883



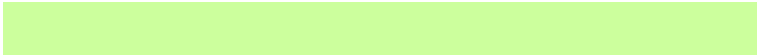
86.7917, 0.2806, 0.2422



86.7917, 0.4297, 0.3517

Rectangle

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



86.7917, 0.3360, 0.4369



86.7917, 0.2452, 0.3669



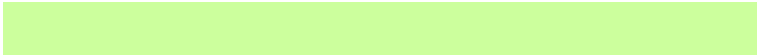
86.7917, 0.2806, 0.2422



86.7917, 0.3804, 0.2921

Sweetspot

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



86.7923, 0.3360, 0.4369



95.2893, 0.3205, 0.3597



68.6171, 0.3880, 0.3815



20.2932, 0.3213, 0.3632



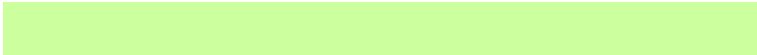
0.0000, 0.0000, 0.0000



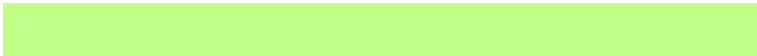
21.4041, 0.3127, 0.3290

Same Dimension

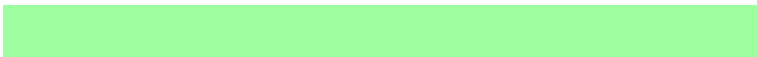
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7923, 0.3360, 0.4369



84.8152, 0.3393, 0.4600



81.1734, 0.3064, 0.4450



20.5958, 0.3189, 0.3531



39.6352, 0.3338, 0.5732



3.9237, 0.3424, 0.5663

Inverse Universe

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



44.7231, 0.2789, 0.2224



37.4125, 0.2702, 0.1999



52.4760, 0.3185, 0.2351



17.8424, 0.3061, 0.3050



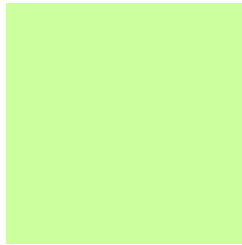
6.4513, 0.2061, 0.0909



0.6932, 0.2181, 0.0975

Previews

White Background



This preview shows how the Yxy color 86.7917, 0.3360, 0.4369 looks on a white background.

Color Contrast Check

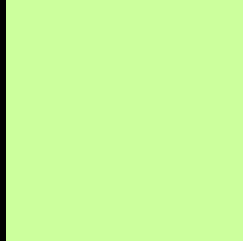
Large Text (above 18pt) WCAG AA × Fail

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 86.7917, 0.3360, 0.4369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

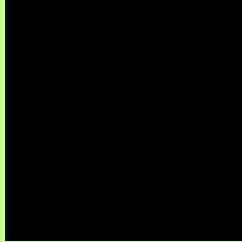
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

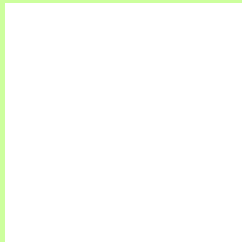
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7917, 0.3360, 0.4369

Background



This preview shows how black text looks on a background with the Yxy color 86.7917, 0.3360, 0.4369.

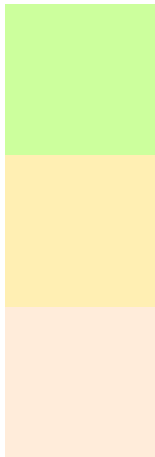


This preview shows how white text looks on a background with the Yxy color 86.7917, 0.3360, 0.4369.

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

86.7917, 0.3360, 0.4369

Protanopia

86.2477, 0.3622, 0.3893

Deuteranopia

86.3129, 0.3372, 0.3470



Tritanopia

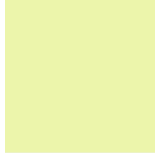
86.2993, 0.2950, 0.3148

Trichromacy



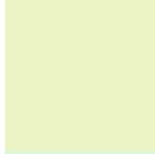
Original Color

86.7917, 0.3360, 0.4369



Protanomaly

86.0780, 0.3521, 0.4062



Deuteranomaly

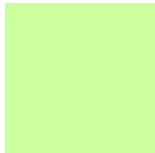
85.9196, 0.3370, 0.3780



Tritanomaly

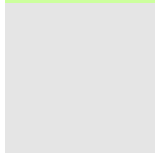
85.9314, 0.3107, 0.3577

Monochromacy



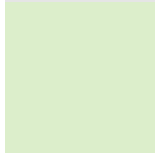
Original Color

86.7917, 0.3360, 0.4369



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6765, 0.3223, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7917, 0.3360, 0.4369 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(204, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 157) }
```

Border

The CSS property to change the border of an element to Yxy 86.7917, 0.3360, 0.4369 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(204, 255, 157) }
```

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

```
.border{ border-color:rgb(204, 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(204, 255, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7917, 0.3360, 0.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 157) }
```

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

```
.background{ background-color: rgb(204,  
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](#).

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