

Converting Colors

$Yxy(87.5213, 0.3332, 0.4267)$

Have a look what the booklet for
Yxy(87.5213, 0.3332, 0.4267)
contains.

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Color

Yxy(87.5386, 0.3331, 0.4264)

Conversions

Conversions Part 1

Format	Color
Hex	CFFFA6
RGB	207, 255, 166
RGB Percent	81%, 100%, 65%
CMY	0.1881, 0.0000, 0.3490
CMYK	0.19, 0.00, 0.35, 0.00
HSL	92°, 100%, 83%
HSV	92°, 35%, 100%
XYZ	68.3844, 87.5386, 49.3739
YIQ	230.5020, -0.0390, -37.8550

Conversions

Conversions Part 2

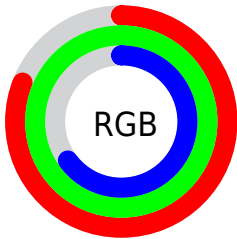
Format	Color
RYB	166, 255, 214
Decimal	13631398
CIELab	94.97, -30.27, 37.67
CIELCh	95, 48.324, 128.786
Yxy	87.5386, 0.3331, 0.4264
Android (android.graphics.Color)	4291821478 (0xFFCFFFA6)
YUV	230.5020, -31.7995, -20.6113
Hunter-Lab	93.5621, -33.2682, 34.2053

Details

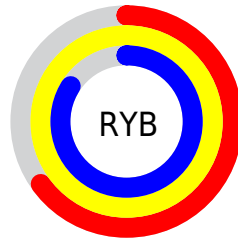
The Yxy color **87.5386, 0.3331, 0.4264** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.7882, 0.2841, 0.2333**, and the grayscale version is **79.7706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **48.1597, 0.3355, 0.4496** is the 20% darker color. If you saturate the color by 10%, you get **84.8029, 0.3375, 0.4572**, and if you desaturate by 10%, it is **90.6398, 0.3278, 0.3963**.

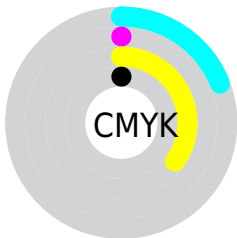
Distribution



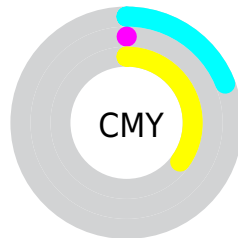
- Red (81%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (84%)



- Cyan (19%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5386, 0.3331, 0.4264 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 87.5386, 0.3331, 0.4264 by changing the saturation by 10% instead.


 87.5386, 0.3331,
0.4264

 87.5386, 0.3331,
0.4264

519.9911, 0.3254,
0.3809

 65.9410, 0.3344,
0.4368

 143.9146, 0.3308,
0.4106

 48.2245, 0.3358,
0.4495


 179.4618, 0.3298,
0.4045

 34.0047, 0.3371,
0.4656


220.4277, 0.3289,
0.3992

 22.8972, 0.3381,
0.4863

267.1967, 0.3281,
0.3946

 14.5176, 0.3383,
0.5139

320.1531, 0.3273,
0.3905

 8.4816, 0.3362,
0.5518

379.6814, 0.3266,

 4.4046, 0.3325,

0.3870

0.6150

446.1659, 0.3260,
0.3838

■ 1.9024, 0.3053,
0.6947

■ 0.5498, 0.0000,
1.0000

■ 87.5386, 0.3331,
0.4264

■ 87.5386, 0.3331,
0.4264

■ 84.8029, 0.3375,
0.4572

■ 90.6398, 0.3278,
0.3963

■ 82.4057, 0.3405,
0.4874

■ 94.1093, 0.3219,
0.3677

■ 80.3343, 0.3418,
0.5154

■ 97.9645, 0.3157,
0.3411

■ 78.5701, 0.3409,
0.5396

99.9973, 0.3127,
0.3290

■ 77.0922, 0.3380,
0.5585

■ 75.8755, 0.3330,
0.5714

■ 75.3392, 0.3301,
0.5761

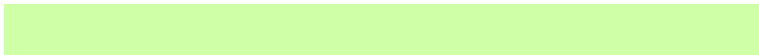
Harmonies

Analogous

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



87.5386, 0.3832, 0.4224



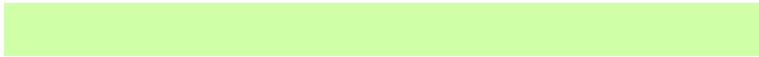
87.5386, 0.3331, 0.4264



87.5386, 0.2800, 0.3963

Triad

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



87.5386, 0.3331, 0.4264



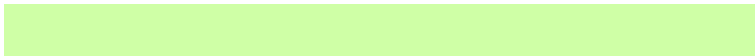
87.5386, 0.2178, 0.2562



87.5386, 0.3912, 0.3094

Complementary

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



87.5386, 0.3331, 0.4264



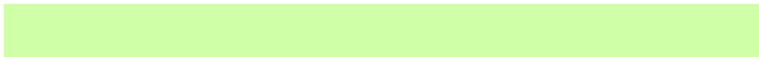
48.7882, 0.2841, 0.2333

Split Complementary

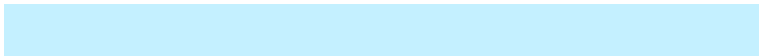
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5386, 0.3401, 0.2732



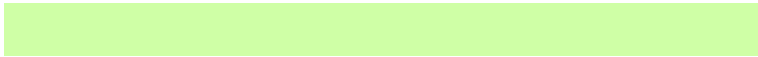
87.5386, 0.3331, 0.4264



87.5386, 0.2416, 0.2427

Square

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



87.5386, 0.3331, 0.4264



87.5386, 0.2164, 0.2911



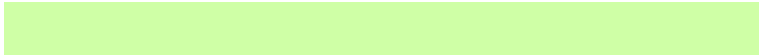
87.5386, 0.2850, 0.2494



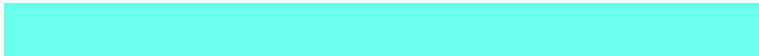
87.5386, 0.4197, 0.3518

Rectangle

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



87.5386, 0.3331, 0.4264



87.5386, 0.2500, 0.3621



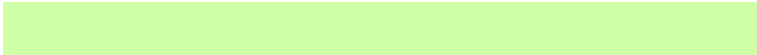
87.5386, 0.2850, 0.2494



87.5386, 0.3759, 0.2963

Sweetspot

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



87.5424, 0.3331, 0.4264



95.9513, 0.3189, 0.3544



71.8385, 0.3791, 0.3780



20.4225, 0.3197, 0.3581



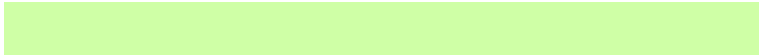
0.0000, 0.0000, 0.0000



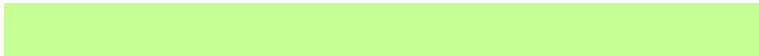
21.4041, 0.3127, 0.3290

Same Dimension

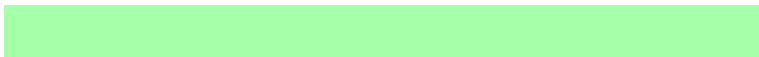
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5424, 0.3331, 0.4264



85.5634, 0.3363, 0.4483



82.4896, 0.3063, 0.4308



20.5785, 0.3186, 0.3531



39.4544, 0.3313, 0.5751



3.9056, 0.3400, 0.5682

Inverse Universe

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



48.7882, 0.2841, 0.2333



41.4356, 0.2765, 0.2123



55.5666, 0.3191, 0.2447



17.8599, 0.3064, 0.3050



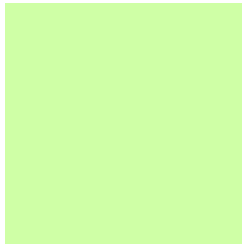
6.6602, 0.2099, 0.0930



0.7135, 0.2217, 0.0995

Previews

White Background



This preview shows how the Yxy color 87.5386, 0.3331, 0.4264 looks on a white background.

Color Contrast Check

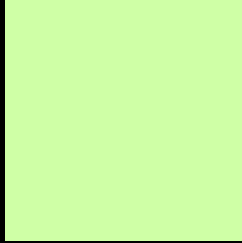
Large Text (above 18pt) WCAG AA × Fail

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 87.5386, 0.3331, 0.4264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

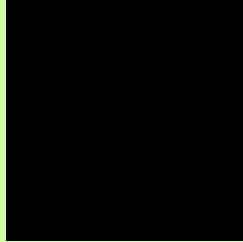
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

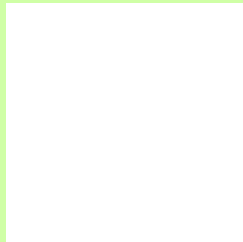
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5386, 0.3331, 0.4264

Background



This preview shows how black text looks on a background with the Yxy color 87.5386, 0.3331, 0.4264.

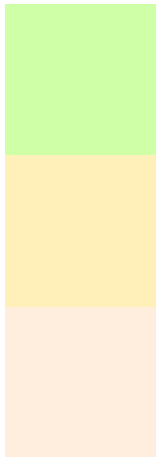


This preview shows how white text looks on a background with the Yxy color 87.5386, 0.3331, 0.4264.

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

87.5386, 0.3331, 0.4264

Protanopia

87.0830, 0.3580, 0.3842

Deuteranopia

87.0488, 0.3351, 0.3449



Tritanopia

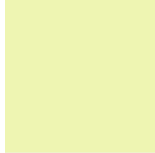
87.2182, 0.2962, 0.3158

Trichromacy



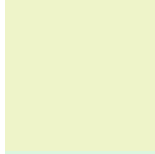
Original Color

87.5386, 0.3331, 0.4264



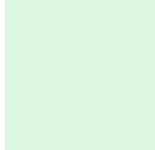
Protanomaly

86.6963, 0.3492, 0.3986



Deuteranomaly

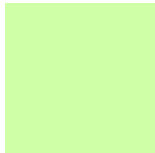
87.0956, 0.3351, 0.3735



Tritanomaly

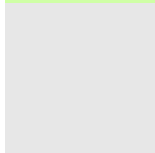
87.0649, 0.3096, 0.3543

Monochromacy



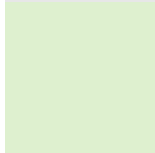
Original Color

87.5386, 0.3331, 0.4264



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3548, 0.3210, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5386, 0.3331, 0.4264 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(207, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 166)  
}
```

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(207, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 166) }
```

Border

The CSS property to change the border of an element to Yxy 87.5386, 0.3331, 0.4264 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(207, 255, 166) }
```

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

```
.border{ border-color:rgb(207, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5386, 0.3331, 0.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 166) }
```

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

```
.background{ background-color: rgb(207,  
255, 166) }
```

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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