

Converting Colors

Yxy(96.5943, 0.3315, 0.4421)

Have a look what the booklet for
Yxy(96.5943, 0.3315, 0.4421)
contains.

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Color

Yxy(87.2862, 0.3341, 0.4299)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFA3
RGB	206, 255, 163
RGB Percent	81%, 100%, 64%
CMY	0.1919, 0.0000, 0.3608
CMYK	0.19, 0.00, 0.36, 0.00
HSL	92°, 100%, 82%
HSV	92°, 36%, 100%
XYZ	67.8351, 87.2862, 47.9171
YIQ	229.8610, 0.3280, -39.0000

Conversions

Conversions Part 2

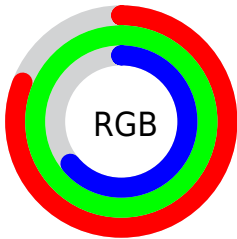
Format	Color
RYB	163, 255, 212
Decimal	13565859
CIELab	94.86, -31.01, 39.01
CIELCh	95, 49.836, 128.485
Yxy	87.2862, 0.3341, 0.4299
Android (android.graphics.Color)	4291755939 (0xFFCEFFA3)
YUV	229.8610, -32.9625, -20.9261
Hunter-Lab	93.4271, -33.8929, 34.9902

Details

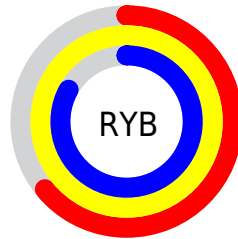
The Yxy color **87.2862, 0.3341, 0.4299** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.3968, 0.2824, 0.2297**, and the grayscale version is **79.2795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **47.9980, 0.3366, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **84.6073, 0.3385, 0.4606**, and if you desaturate by 10%, it is **90.3245, 0.3287, 0.3997**.

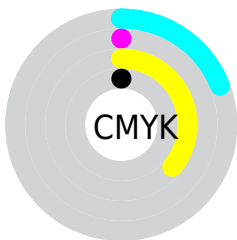
Distribution



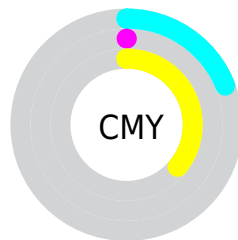
- Red (81%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (83%)



- Cyan (19%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2862, 0.3341, 0.4299 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 87.2862, 0.3341, 0.4299 by changing the saturation by 10% instead.


 87.2862, 0.3341,
0.4299

 87.2862, 0.3341,
0.4299

519.1629, 0.3261,
0.3827

 65.7321, 0.3354,
0.4407

 143.5630, 0.3317,
0.4135

 48.0549, 0.3368,
0.4539


 179.0544, 0.3307,
0.4072

 33.8704, 0.3381,
0.4705


219.9605, 0.3297,
0.4017

 22.7941, 0.3391,
0.4919

266.6654, 0.3289,
0.3969

 14.4415, 0.3391,
0.5204

319.5538, 0.3281,
0.3927

 8.4284, 0.3364,
0.5594

379.0099, 0.3273,

 4.3703, 0.3337,

0.3890

0.6277

445.4181, 0.3267,
0.3857

■ 1.8828, 0.2999,
0.7001

■ 0.5380, 0.0000,
1.0000

■ 87.2862, 0.3341,
0.4299

■ 87.2862, 0.3341,
0.4299

■ 84.6073, 0.3385,
0.4606

■ 90.3245, 0.3287,
0.3997

■ 82.2611, 0.3414,
0.4905

■ 93.7251, 0.3228,
0.3709

■ 80.2347, 0.3425,
0.5180

■ 97.5051, 0.3165,
0.3442

■ 78.5094, 0.3415,
0.5415

99.9961, 0.3127,
0.3290

■ 77.0642, 0.3383,
0.5596

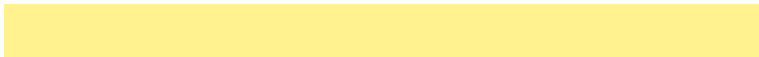
■ 75.8737, 0.3333,
0.5718

■ 75.4636, 0.3310,
0.5754

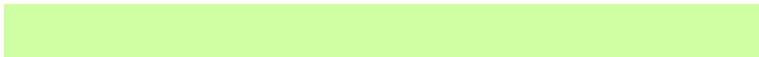
Harmonies

Analogous

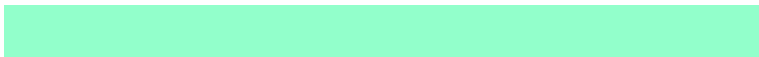
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2862, 0.3857, 0.4251



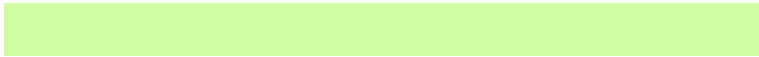
87.2862, 0.3341, 0.4299



87.2862, 0.2793, 0.3992

Triad

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



87.2862, 0.3341, 0.4299



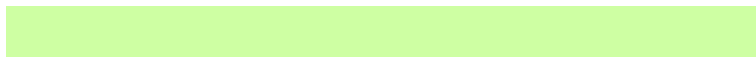
87.2862, 0.2149, 0.2542



87.2862, 0.3933, 0.3083

Complementary

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



87.2862, 0.3341, 0.4299



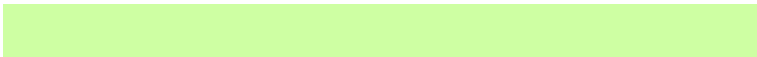
47.3968, 0.2824, 0.2297

Split Complementary

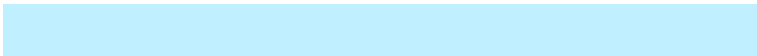
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2862, 0.3404, 0.2712



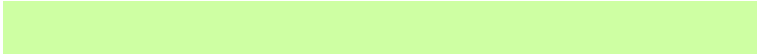
87.2862, 0.3341, 0.4299



87.2862, 0.2391, 0.2403

Square

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



87.2862, 0.3341, 0.4299



87.2862, 0.2137, 0.2902



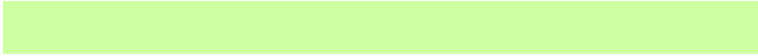
87.2862, 0.2835, 0.2470



87.2862, 0.4231, 0.3517

Rectangle

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



87.2862, 0.3341, 0.4299



87.2862, 0.2484, 0.3637



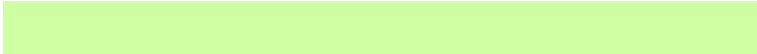
87.2862, 0.2835, 0.2470



87.2862, 0.3774, 0.2949

Sweetspot

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



87.2900, 0.3341, 0.4299



95.6026, 0.3196, 0.3570



70.2559, 0.3824, 0.3782



20.3539, 0.3205, 0.3607



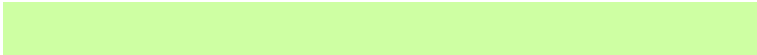
0.0000, 0.0000, 0.0000



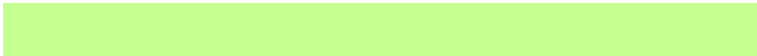
21.4041, 0.3127, 0.3290

Same Dimension

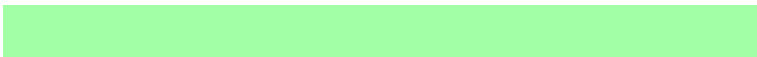
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2900, 0.3341, 0.4299



85.4018, 0.3373, 0.4512



82.0009, 0.3068, 0.4367



20.5849, 0.3187, 0.3531



39.5206, 0.3322, 0.5744



3.9123, 0.3409, 0.5675

Inverse Universe

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



47.3968, 0.2824, 0.2297



40.3692, 0.2748, 0.2092



54.5710, 0.3181, 0.2407



17.8534, 0.3063, 0.3050



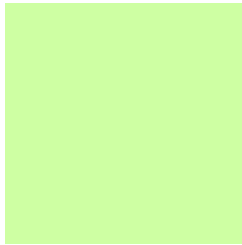
6.5815, 0.2085, 0.0922



0.7059, 0.2204, 0.0988

Previews

White Background



This preview shows how the Yxy color 87.2862, 0.3341, 0.4299 looks on a white background.

Color Contrast Check

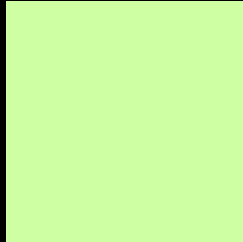
Large Text (above 18pt) WCAG AA × Fail

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 87.2862, 0.3341, 0.4299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

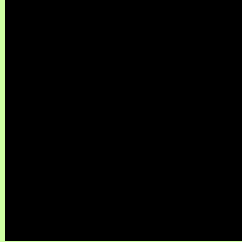
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

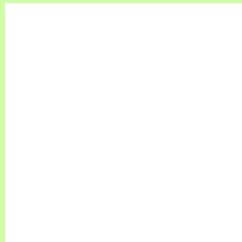
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2862, 0.3341, 0.4299

Background



This preview shows how black text looks on a background with the Yxy color 87.2862, 0.3341, 0.4299.

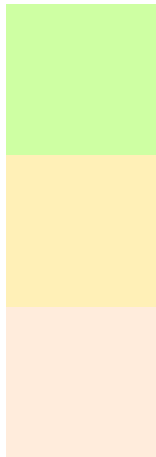


This preview shows how white text looks on a background with the Yxy color 87.2862, 0.3341, 0.4299.

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

87.2862, 0.3341, 0.4299

Protanopia

86.9991, 0.3593, 0.3862

Deuteranopia

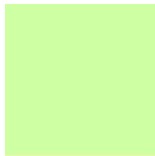
86.4182, 0.3359, 0.3449



Tritanopia

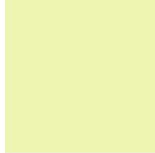
87.0552, 0.2956, 0.3158

Trichromacy



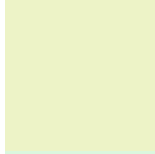
Original Color

87.2862, 0.3341, 0.4299



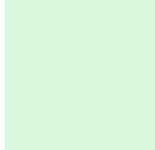
Protanomaly

86.4439, 0.3497, 0.4009



Deuteranomaly

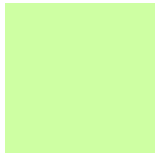
86.2292, 0.3358, 0.3747



Tritanomaly

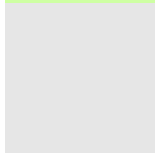
86.8555, 0.3096, 0.3554

Monochromacy



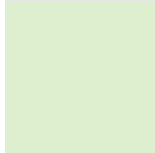
Original Color

87.2862, 0.3341, 0.4299



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5614, 0.3210, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2862, 0.3341, 0.4299 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(206, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 163)  
}
```

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(206, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 163) }
```

Border

The CSS property to change the border of an element to Yxy 87.2862, 0.3341, 0.4299 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(206, 255, 163) }
```

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

```
.border{ border-color:rgb(206, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2862, 0.3341, 0.4299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 163) }
```

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

```
.background{ background-color: rgb(206,  
255, 163) }
```

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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