

Converting Colors

Yxy(85.2839, 0.3227, 0.4300)

Have a look what the booklet for
Yxy(85.2839, 0.3227, 0.4300)
contains.

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Color

Yxy(85.3495, 0.3228, 0.4297)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFA6
RGB	191, 255, 166
RGB Percent	75%, 100%, 65%
CMY	0.2512, 0.0000, 0.3491
CMYK	0.25, 0.00, 0.35, 0.00
HSL	103°, 100%, 83%
HSV	103°, 35%, 100%
XYZ	64.1164, 85.3495, 49.1599
YIQ	225.7180, -9.5750, -41.2470

Conversions

Conversions Part 2

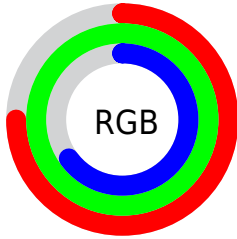
Format	Color
RYB	166, 255, 230
Decimal	12582822
CIELab	94.03, -35.77, 36.28
CIELCh	94, 50.951, 134.594
Yxy	85.3495, 0.3228, 0.4297
Android (android.graphics.Color)	4290772902 (0xFFBFFFA6)
YUV	225.7180, -29.4410, -30.4477
Hunter-Lab	92.3848, -37.7918, 33.1199

Details

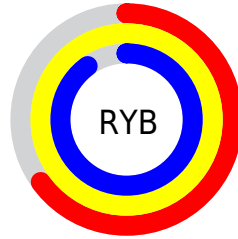
The Yxy color **85.3495, 0.3228, 0.4297** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.3137, 0.2968, 0.2367**, and the grayscale version is **76.0455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9337, 0.3283, 0.3615**, and **46.8147, 0.3234, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **82.2657, 0.3244, 0.4628**, and if you desaturate by 10%, it is **88.9008, 0.3204, 0.3979**.

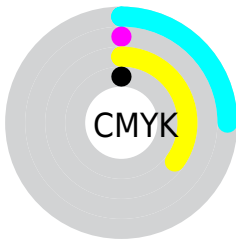
Distribution



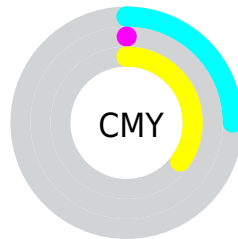
- Red (75%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (90%)



- Cyan (25%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3495, 0.3228, 0.4297 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 85.3495, 0.3228, 0.4297 by changing the saturation by 10% instead.


 85.3495, 0.3228,
0.4297

 85.3495, 0.3228,
0.4297


512.7838, 0.3198,
0.3821

 64.1302, 0.3230,
0.4407


 140.8614, 0.3221,
0.4131

 46.7561, 0.3231,
0.4543


 175.9227, 0.3218,
0.4066

 32.8429, 0.3228,
0.4716


216.3669, 0.3214,
0.4011

 22.0061, 0.3217,
0.4941

262.5783, 0.3210,
0.3963

 13.8614, 0.3190,
0.5245

314.9413, 0.3207,
0.3921

 8.0243, 0.3128,
0.5671


373.8403, 0.3204,


 4.1105, 0.3033,

0.3884

0.6406

439.6597, 0.3201,
0.3851

 1.7356, 0.2580,
0.7420


 0.4465, 0.0000,
1.0000


 85.3495, 0.3228,
0.4297

 85.3495, 0.3228,
0.4297

 82.2657, 0.3244,
0.4628

 88.9008, 0.3204,
0.3979

 79.6515, 0.3250,
0.4956

 92.9641, 0.3175,
0.3682

 77.4750, 0.3242,
0.5264

 97.5507, 0.3143,
0.3412

 75.7099, 0.3220,
0.5529

100.0000, 0.3127,
0.3290

■ 74.3269, 0.3184,
0.5733

■ 73.2917, 0.3138,
0.5865

■ 72.8790, 0.3114,
0.5910

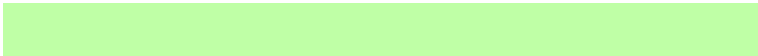
Harmonies

Analogous

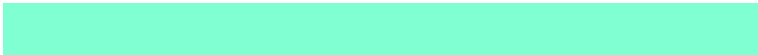
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3495, 0.3778, 0.4316



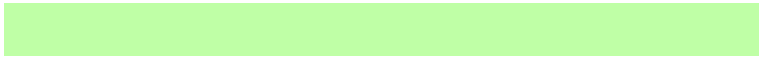
85.3495, 0.3228, 0.4297



85.3495, 0.2678, 0.3911

Triad

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



85.3495, 0.3228, 0.4297



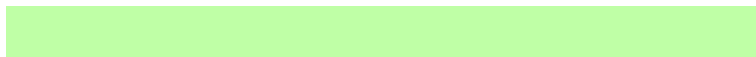
85.3495, 0.2155, 0.2473



85.3495, 0.4045, 0.3163

Complementary

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



85.3495, 0.3228, 0.4297



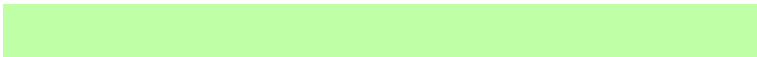
51.3137, 0.2968, 0.2367

Split Complementary

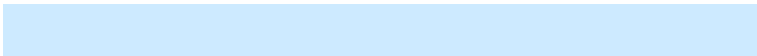
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3495, 0.3532, 0.2765



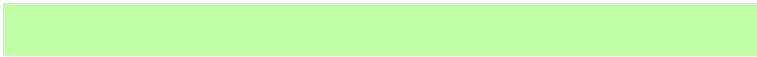
85.3495, 0.3228, 0.4297



85.3495, 0.2448, 0.2377

Square

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



85.3495, 0.3228, 0.4297



85.3495, 0.2093, 0.2796



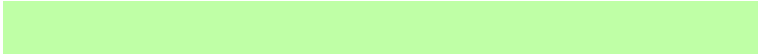
85.3495, 0.2939, 0.2486



85.3495, 0.4284, 0.3613

Rectangle

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



85.3495, 0.3228, 0.4297



85.3495, 0.2385, 0.3524



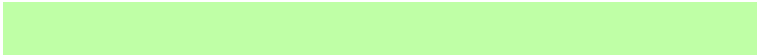
85.3495, 0.2939, 0.2486



85.3495, 0.3897, 0.3021

Sweetspot

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



85.3415, 0.3228, 0.4297



95.1496, 0.3160, 0.3546



80.4822, 0.3735, 0.3937



20.2293, 0.3164, 0.3584



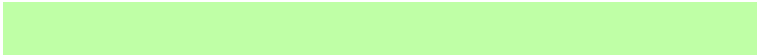
0.0000, 0.0000, 0.0000



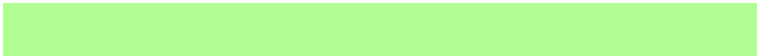
21.4041, 0.3127, 0.3290

Same Dimension

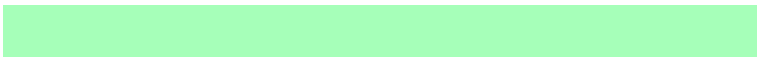
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3415, 0.3228, 0.4297



83.1122, 0.3240, 0.4531



83.1388, 0.2979, 0.4109



20.4147, 0.3158, 0.3533



38.1449, 0.3123, 0.5902



3.7661, 0.3204, 0.5838

Inverse Universe

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



51.3137, 0.2968, 0.2367



44.3704, 0.2924, 0.2174



54.5642, 0.3324, 0.2592



18.0294, 0.3093, 0.3053



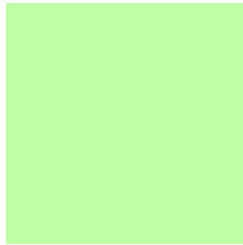
9.1432, 0.2508, 0.1155



0.9452, 0.2590, 0.1201

Previews

White Background



This preview shows how the Yxy color 85.3495, 0.3228, 0.4297 looks on a white background.

Color Contrast Check

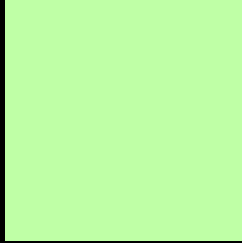
Large Text (above 18pt) WCAG AA × Fail

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 85.3495, 0.3228, 0.4297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

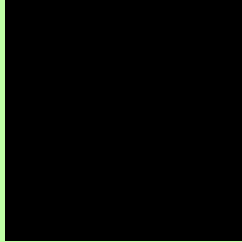
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.3495, 0.3228, 0.4297

Background



This preview shows how black text looks on a background with the Yxy color 85.3495, 0.3228, 0.4297.

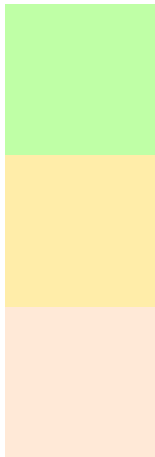


This preview shows how white text looks on a background with the Yxy color 85.3495, 0.3228, 0.4297.

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

85.3495, 0.3228, 0.4297

Protanopia

84.6929, 0.3692, 0.3974

Deuteranopia

84.4441, 0.3397, 0.3470



Tritanopia

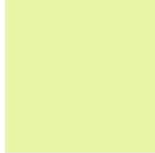
84.8823, 0.2895, 0.3145

Trichromacy



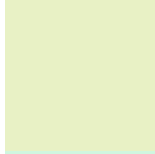
Original Color

85.3495, 0.3228, 0.4297



Protanomaly

84.6843, 0.3513, 0.4092



Deuteranomaly

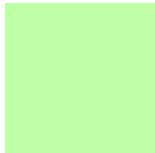
84.0976, 0.3339, 0.3754



Tritanomaly

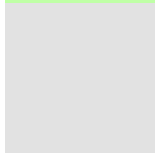
84.6491, 0.3021, 0.3538

Monochromacy



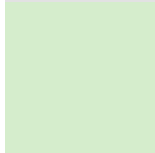
Original Color

85.3495, 0.3228, 0.4297



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.0741, 0.3170, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3495, 0.3228, 0.4297 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(191, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 166) }
```

Border

The CSS property to change the border of an element to Yxy 85.3495, 0.3228, 0.4297 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(191, 255, 166) }
```

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

```
.border{ border-color:rgb(191, 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(191, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 255, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 255, 166); box-shadow:4px 4px 4px 4px rgb(191, 255, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3495, 0.3228, 0.4297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 166) }
```

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

```
.background{ background-color: rgb(191,  
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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