

Converting Colors

Yxy(86.0021, 0.3331, 0.4581)

Have a look what the booklet for
Yxy(86.0021, 0.3331, 0.4581)
contains.

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Color

Yxy(84.3220, 0.3335, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDF8F</code>
RGB	189, 255, 143
RGB Percent	74%, 100%, 56%
CMY	0.2587, 0.0000, 0.4392
CMYK	0.26, 0.00, 0.44, 0.00
HSL	95°, 100%, 78%
HSV	95°, 44%, 100%
XYZ	61.7103, 84.3220, 39.0061
YIQ	222.4980, -3.3840, -48.8240

Conversions

Conversions Part 2

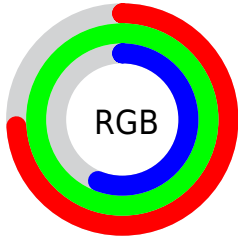
Format	Color
RYB	143, 255, 209
Decimal	12451727
CIELab	93.59, -39.42, 46.91
CIElCh	94, 61.268, 130.041
Yxy	84.3220, 0.3335, 0.4557
Android (android.graphics.Color)	4290641807 (0xFFBDF8F)
YUV	222.4980, -39.1925, -29.3777
Hunter-Lab	91.8270, -40.7403, 39.0938

Details

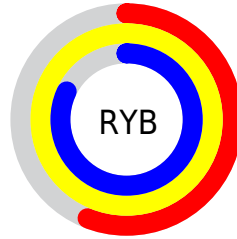
The Yxy color **84.3220, 0.3335, 0.4557** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.4117, 0.2790, 0.2082**, and the grayscale version is **73.7085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3714, 0.3412, 0.3860**, and **46.1129, 0.3348, 0.4868** is the 20% darker color. If you saturate the color by 10%, you get **81.8161, 0.3359, 0.4868**, and if you desaturate by 10%, it is **87.2098, 0.3298, 0.4243**.

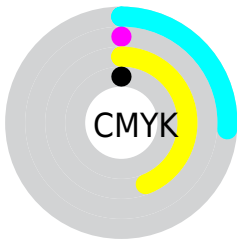
Distribution



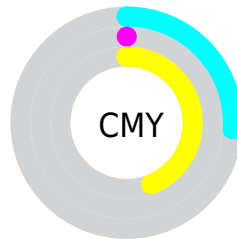
- Red (74%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (82%)



- Cyan (26%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3220, 0.3335, 0.4557 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 84.3220, 0.3335, 0.4557 by changing the saturation by 10% instead.


 84.3220, 0.3335,
0.4557


 84.3220, 0.3335,
0.4557


509.3819, 0.3267,
0.3957

 63.2813, 0.3342,
0.4695


 139.4255, 0.3318,
0.4348

 46.0688, 0.3347,
0.4864


 174.2571, 0.3309,
0.4266

 32.3001, 0.3346,
0.5077


214.4545, 0.3301,
0.4197

 21.5909, 0.3333,
0.5351

260.4021, 0.3293,
0.4136

 13.5566, 0.3292,
0.5710

312.4842, 0.3286,
0.4083

 7.8129, 0.3195,
0.6195

371.0853, 0.3279,

 3.9755, 0.3018,

0.4036

0.6982

436.5897, 0.3273,
0.3994

■ 1.6598, 0.2199,
0.7801

■ 0.3975, 0.0000,
1.0000

■ 84.3220, 0.3335,
0.4557

■ 84.3220, 0.3335,
0.4557

■ 81.8161, 0.3359,
0.4868

■ 87.2098, 0.3298,
0.4243

■ 79.6629, 0.3367,
0.5159

■ 90.4851, 0.3252,
0.3938

■ 77.8463, 0.3355,
0.5413

■ 94.1671, 0.3201,
0.3651

■ 76.3438, 0.3324,
0.5613

■ 98.2706, 0.3148,
0.3387

■ 75.1291, 0.3275,
0.5751

99.9992, 0.3127,
0.3290

■ 74.5118, 0.3240,
0.5809

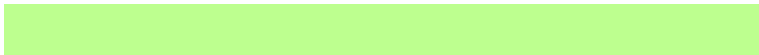
Harmonies

Analogous

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



84.3220, 0.3978, 0.4483



84.3220, 0.3335, 0.4557



84.3220, 0.2671, 0.4151

Triad

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



84.3220, 0.3335, 0.4557



84.3220, 0.1953, 0.2354



84.3220, 0.4159, 0.3051

Complementary

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



84.3220, 0.3335, 0.4557



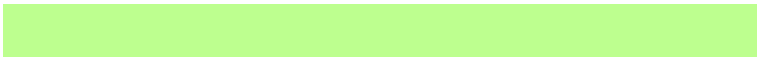
40.4117, 0.2790, 0.2082

Split Complementary

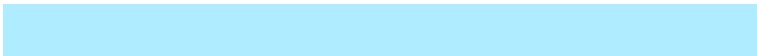
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3220, 0.3501, 0.2608



84.3220, 0.3335, 0.4557



84.3220, 0.2250, 0.2214

Square

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



84.3220, 0.3335, 0.4557



84.3220, 0.1920, 0.2765



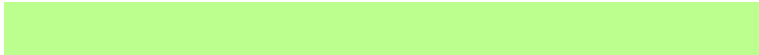
84.3220, 0.2794, 0.2311



84.3220, 0.4506, 0.3568

Rectangle

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



84.3220, 0.3335, 0.4557



84.3220, 0.2307, 0.3682



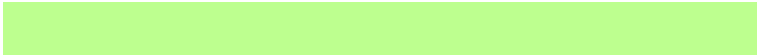
84.3220, 0.2794, 0.2311



84.3220, 0.3962, 0.2892

Sweetspot

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



84.3257, 0.3335, 0.4557



94.5294, 0.3197, 0.3626



68.5155, 0.3980, 0.3962



20.0497, 0.3208, 0.3687



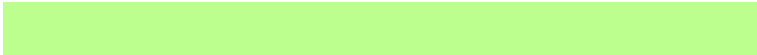
0.0000, 0.0000, 0.0000



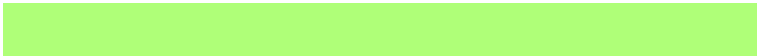
21.4041, 0.3127, 0.3290

Same Dimension

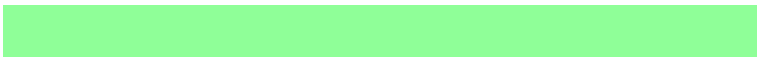
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3257, 0.3335, 0.4557



82.0336, 0.3358, 0.4840



79.6360, 0.3019, 0.4554



20.5327, 0.3178, 0.3531



39.0167, 0.3252, 0.5800



3.8610, 0.3340, 0.5730

Inverse Universe

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



40.4117, 0.2790, 0.2082



32.8196, 0.2696, 0.1827



47.5360, 0.3257, 0.2289



17.9064, 0.3072, 0.3051



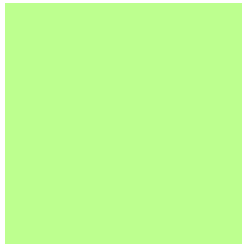
7.2589, 0.2205, 0.0988



0.7708, 0.2316, 0.1050

Previews

White Background



This preview shows how the Yxy color 84.3220, 0.3335, 0.4557 looks on a white background.

Color Contrast Check

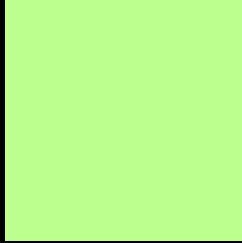
Large Text (above 18pt) WCAG AA × Fail

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 84.3220, 0.3335, 0.4557 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 84.3220, 0.3335, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 84.3220, 0.3335, 0.4557.

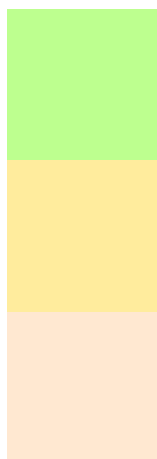


This preview shows how white text looks on a background with the Yxy color 84.3220, 0.3335, 0.4557.

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

84.3220, 0.3335, 0.4557

Protanopia

83.6852, 0.3772, 0.4083

Deuteranopia

83.5767, 0.3438, 0.3521



Tritanopia

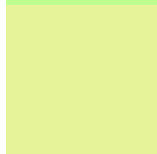
83.8363, 0.2876, 0.3134

Trichromacy



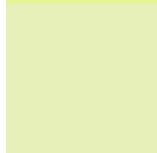
Original Color

84.3220, 0.3335, 0.4557



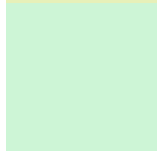
Protanomaly

83.3571, 0.3604, 0.4251



Deuteranomaly

82.8119, 0.3410, 0.3875



Tritanomaly

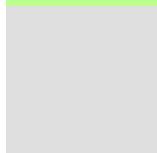
83.1390, 0.3054, 0.3629

Monochromacy



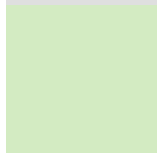
Original Color

84.3220, 0.3335, 0.4557



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1606, 0.3220, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3220, 0.3335, 0.4557 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(189, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 143)  
}
```

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(189, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 143) }
```

Border

The CSS property to change the border of an element to Yxy 84.3220, 0.3335, 0.4557 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(189, 255, 143) }
```

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

```
.border{ border-color:rgb(189, 255, 143) }
```

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

Here you see how a box with a 4 pixel rgb(189, 255, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3220, 0.3335, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 143) }
```

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

```
.background{ background-color: rgb(189,  
255, 143) }
```

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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