

Converting Colors

Yxy(84.6349, 0.3235, 0.4373)

Have a look what the booklet for
Yxy(84.6349, 0.3235, 0.4373)
contains.

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Color

Yxy(84.6229, 0.3235, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFA0
RGB	187, 255, 160
RGB Percent	73%, 100%, 63%
CMY	0.2666, 0.0000, 0.3726
CMYK	0.27, 0.00, 0.37, 0.00
HSL	103°, 100%, 81%
HSV	103°, 37%, 100%
XYZ	62.6012, 84.6229, 46.2881
YIQ	223.8380, -10.0330, -43.9610

Conversions

Conversions Part 2

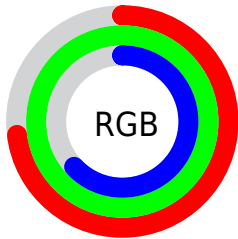
Format	Color
RYB	160, 255, 228
Decimal	12320672
CIELab	93.72, -37.90, 38.79
CIELCh	94, 54.234, 134.338
Yxy	84.6229, 0.3235, 0.4373
Android (android.graphics.Color)	4290510752 (0xFFBBFFA0)
YUV	223.8380, -31.4721, -32.3069
Hunter-Lab	91.9907, -39.5115, 34.5598

Details

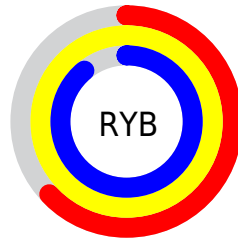
The Yxy color **84.6229, 0.3235, 0.4373** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.8496, 0.2950, 0.2302**, and the grayscale version is **74.6567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8903, 0.3292, 0.3679**, and **46.3552, 0.3241, 0.4642** is the 20% darker color. If you saturate the color by 10%, you get **81.6648, 0.3249, 0.4704**, and if you desaturate by 10%, it is **88.0605, 0.3212, 0.4051**.

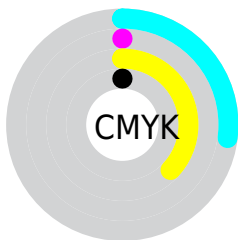
Distribution



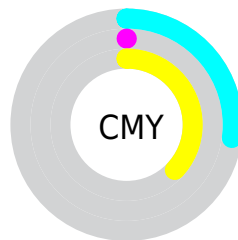
- Red (73%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (89%)



- Cyan (27%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6229, 0.3235, 0.4373 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 84.6229, 0.3235, 0.4373 by changing the saturation by 10% instead.

 84.6229, 0.3235,
0.4373

 84.6229, 0.3235,
0.4373


510.3794, 0.3205,
0.3859

 63.5298, 0.3237,
0.4492


 139.8462, 0.3229,
0.4193

 46.2700, 0.3236,
0.4639

 174.7452, 0.3225,
0.4124

 32.4589, 0.3230,
0.4826


215.0150, 0.3221,
0.4064

 21.7123, 0.3215,
0.5069

261.0400, 0.3218,
0.4012

 13.6456, 0.3181,
0.5397

313.2045, 0.3214,
0.3967

 7.8746, 0.3102,
0.5852

371.8930, 0.3211,

 4.0148, 0.3020,

0.3927

0.6732

437.4898, 0.3208,
0.3891

■ 1.6819, 0.2356,
0.7644

■ 0.4119, 0.0000,
1.0000

■ 84.6229, 0.3235,
0.4373

■ 84.6229, 0.3235,
0.4373

■ 81.6648, 0.3249,
0.4704

■ 88.0605, 0.3212,
0.4051

■ 79.1579, 0.3253,
0.5029

■ 91.9922, 0.3183,
0.3749

■ 77.0802, 0.3242,
0.5328

■ 96.4393, 0.3151,
0.3473

■ 75.4049, 0.3216,
0.5580

100.0000, 0.3127,
0.3290

■ 74.1021, 0.3178,
0.5767

■ 73.1356, 0.3130,
0.5884

■ 72.9183, 0.3117,
0.5907

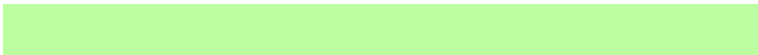
Harmonies

Analogous

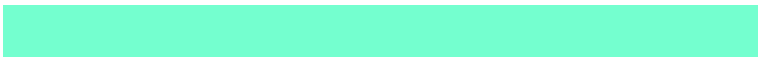
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6229, 0.3820, 0.4382



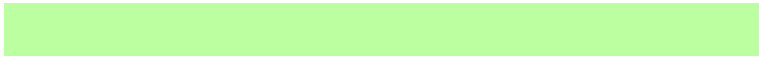
84.6229, 0.3235, 0.4373



84.6229, 0.2651, 0.3962

Triad

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



84.6229, 0.3235, 0.4373



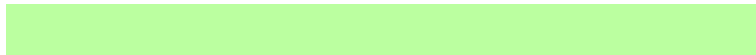
84.6229, 0.2096, 0.2423



84.6229, 0.4104, 0.3148

Complementary

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



84.6229, 0.3235, 0.4373



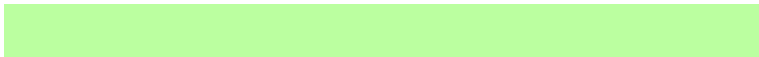
48.8496, 0.2950, 0.2302

Split Complementary

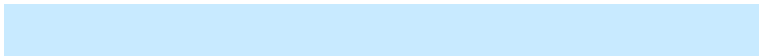
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6229, 0.3553, 0.2730



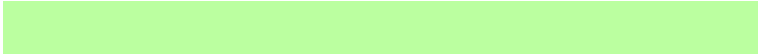
84.6229, 0.3235, 0.4373



84.6229, 0.2401, 0.2323

Square

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



84.6229, 0.3235, 0.4373



84.6229, 0.2032, 0.2764



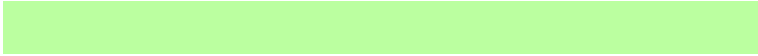
84.6229, 0.2919, 0.2437



84.6229, 0.4361, 0.3622

Rectangle

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



84.6229, 0.3235, 0.4373



84.6229, 0.2340, 0.3544



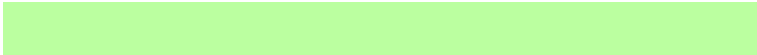
84.6229, 0.2919, 0.2437



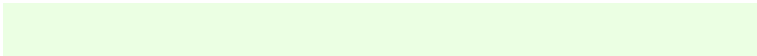
84.6229, 0.3944, 0.2999

Sweetspot

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



84.6249, 0.3235, 0.4373



94.7133, 0.3164, 0.3573



78.4619, 0.3787, 0.3966



20.1426, 0.3168, 0.3610



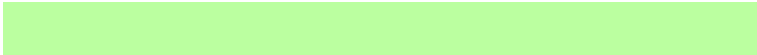
0.0000, 0.0000, 0.0000



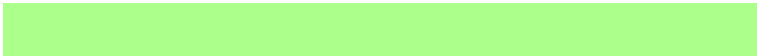
21.4041, 0.3127, 0.3290

Same Dimension

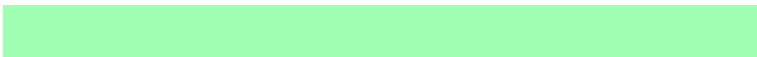
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6249, 0.3235, 0.4373



82.2925, 0.3247, 0.4629



82.2474, 0.2978, 0.4195



20.4183, 0.3159, 0.3533



38.1661, 0.3127, 0.5899



3.7685, 0.3207, 0.5835

Inverse Universe

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



48.8496, 0.2950, 0.2302



41.6358, 0.2900, 0.2093



52.4556, 0.3327, 0.2531



18.0256, 0.3092, 0.3052



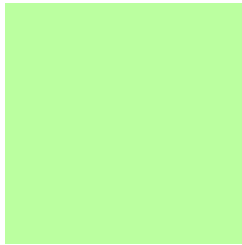
9.0783, 0.2498, 0.1150



0.9393, 0.2582, 0.1196

Previews

White Background



This preview shows how the Yxy color 84.6229, 0.3235, 0.4373 looks on a white background.

Color Contrast Check

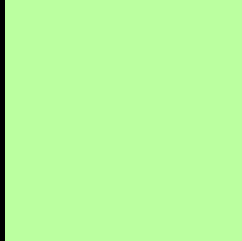
Large Text (above 18pt) WCAG AA × Fail

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 84.6229, 0.3235, 0.4373 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

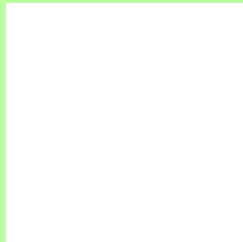
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6229, 0.3235, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 84.6229, 0.3235, 0.4373.

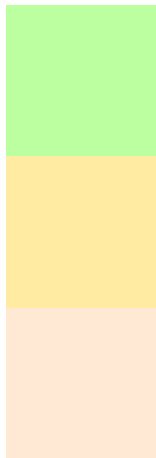


This preview shows how white text looks on a background with the Yxy color 84.6229, 0.3235, 0.4373.

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

84.6229, 0.3235, 0.4373

Protanopia

83.8595, 0.3740, 0.4034

Deuteranopia

83.7267, 0.3418, 0.3491



Tritanopia

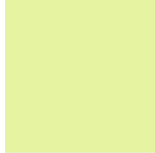
84.2767, 0.2871, 0.3144

Trichromacy



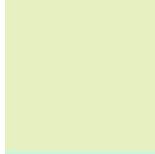
Original Color

84.6229, 0.3235, 0.4373



Protanomaly

83.4974, 0.3543, 0.4160



Deuteranomaly

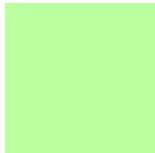
82.9934, 0.3352, 0.3789



Tritanomaly

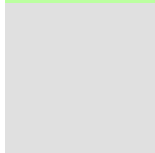
83.9162, 0.3013, 0.3573

Monochromacy



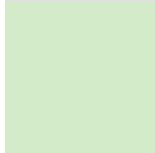
Original Color

84.6229, 0.3235, 0.4373



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.4826, 0.3177, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6229, 0.3235, 0.4373 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(187, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 160)  
}
```

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(187, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 160) }
```

Border

The CSS property to change the border of an element to Yxy 84.6229, 0.3235, 0.4373 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(187, 255, 160) }
```

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

```
.border{ border-color:rgb(187, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 255, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 255, 160); box-shadow:4px 4px 4px 4px rgb(187, 255, 160) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6229, 0.3235, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 160) }
```

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

```
.background{ background-color: rgb(187,  
255, 160) }
```

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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