

Converting Colors

$Yxy(94.3385, 0.3213, 0.4491)$

Have a look what the booklet for
Yxy(94.3385, 0.3213, 0.4491)
contains.

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Color

Yxy(84.6580, 0.3230, 0.4362)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFA1
RGB	187, 255, 161
RGB Percent	73%, 100%, 63%
CMY	0.2666, 0.0000, 0.3688
CMYK	0.27, 0.00, 0.37, 0.00
HSL	103°, 100%, 82%
HSV	103°, 37%, 100%
XYZ	62.6881, 84.6580, 46.7346
YIQ	223.9520, -10.3540, -43.6500

Conversions

Conversions Part 2

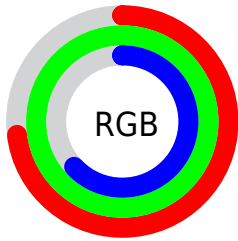
Format	Color
RYB	161, 255, 229
Decimal	12320673
CIELab	93.74, -37.77, 38.33
CIELCh	94, 53.814, 134.574
Yxy	84.6580, 0.3230, 0.4362
Android (android.graphics.Color)	4290510753 (0xFFBBFFA1)
YUV	223.9520, -31.0353, -32.4069
Hunter-Lab	92.0098, -39.4016, 34.2916

Details

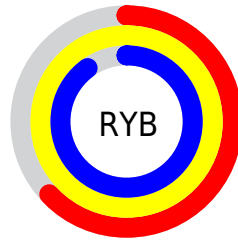
The Yxy color **84.6580, 0.3230, 0.4362** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.3424, 0.2958, 0.2314**, and the grayscale version is **74.7385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9422, 0.3286, 0.3669**, and **46.3764, 0.3234, 0.4627** is the 20% darker color. If you saturate the color by 10%, you get **81.6725, 0.3244, 0.4694**, and if you desaturate by 10%, it is **88.1291, 0.3208, 0.4040**.

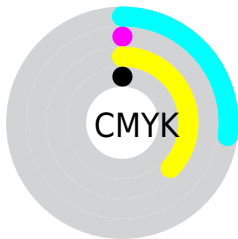
Distribution



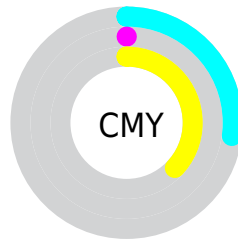
- Red (73%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (90%)



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6580, 0.3230, 0.4362 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 84.6580, 0.3230, 0.4362 by changing the saturation by 10% instead.


 84.6580, 0.3230,
0.4362


 84.6580, 0.3230,
0.4362

510.4957, 0.3202,
0.3854

 63.5588, 0.3231,
0.4480

 139.8953, 0.3224,
0.4184

 46.2934, 0.3230,
0.4626


 174.8021, 0.3221,
0.4115

 32.4775, 0.3225,
0.4811


215.0804, 0.3217,
0.4056

 21.7264, 0.3210,
0.5052

261.1143, 0.3214,
0.4005

 13.6560, 0.3175,
0.5376

313.2885, 0.3210,
0.3960

 7.8818, 0.3098,
0.5829

371.9872, 0.3207,

 4.0194, 0.3011,

0.3920

0.6688

437.5948, 0.3204,
0.3885

1.6844, 0.2370,
0.7630

0.4135, 0.0000,
1.0000

84.6580, 0.3230,
0.4362

84.6580, 0.3230,
0.4362

81.6725, 0.3244,
0.4694

88.1291, 0.3208,
0.4040

79.1444, 0.3247,
0.5020

92.1010, 0.3180,
0.3739

77.0512, 0.3236,
0.5322

96.5954, 0.3149,
0.3463

75.3659, 0.3211,
0.5576

100.0000, 0.3127,
0.3290

■ 74.0582, 0.3173,
0.5767

■ 73.0919, 0.3125,
0.5885

■ 72.8476, 0.3111,
0.5912

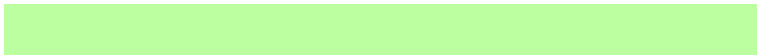
Harmonies

Analogous

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



84.6580, 0.3811, 0.4375



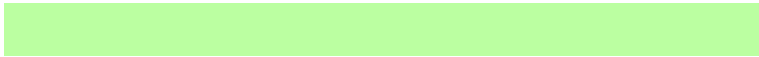
84.6580, 0.3230, 0.4362



84.6580, 0.2651, 0.3951

Triad

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



84.6580, 0.3230, 0.4362



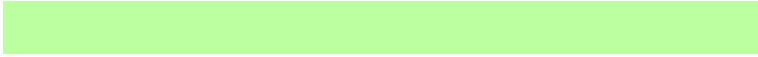
84.6580, 0.2104, 0.2428



84.6580, 0.4100, 0.3153

Complementary

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



84.6580, 0.3230, 0.4362



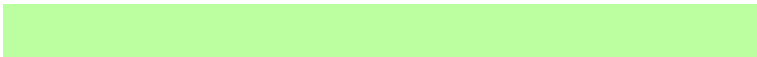
49.3424, 0.2958, 0.2314

Split Complementary

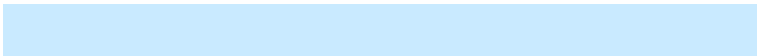
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6580, 0.3554, 0.2737



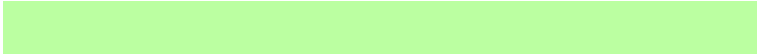
84.6580, 0.3230, 0.4362



84.6580, 0.2410, 0.2330

Square

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



84.6580, 0.3230, 0.4362



84.6580, 0.2039, 0.2764



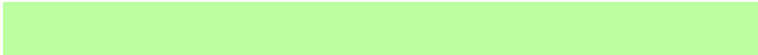
84.6580, 0.2926, 0.2445



84.6580, 0.4352, 0.3624

Rectangle

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



84.6580, 0.3230, 0.4362



84.6580, 0.2343, 0.3537



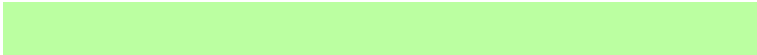
84.6580, 0.2926, 0.2445



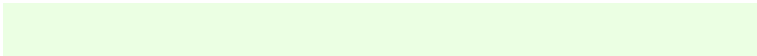
84.6580, 0.3942, 0.3005

Sweetspot

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



84.6599, 0.3230, 0.4362



94.6787, 0.3162, 0.3573



79.5141, 0.3774, 0.3974



20.1344, 0.3166, 0.3611



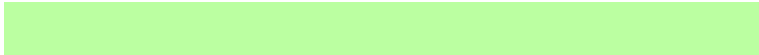
0.0000, 0.0000, 0.0000



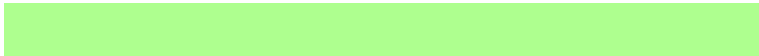
21.4041, 0.3127, 0.3290

Same Dimension

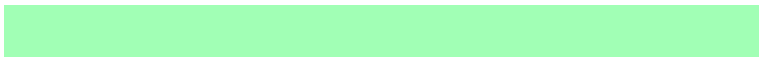
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6599, 0.3230, 0.4362



82.4844, 0.3241, 0.4598



82.4428, 0.2971, 0.4164



20.4118, 0.3158, 0.3533



38.1280, 0.3121, 0.5904



3.7641, 0.3201, 0.5841

Inverse Universe

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



49.3424, 0.2958, 0.2314



42.6362, 0.2914, 0.2122



52.7119, 0.3338, 0.2553



18.0324, 0.3093, 0.3053



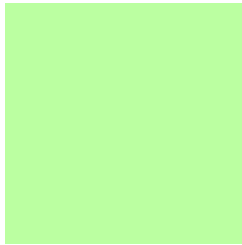
9.1962, 0.2516, 0.1160



0.9500, 0.2597, 0.1204

Previews

White Background



This preview shows how the Yxy color 84.6580, 0.3230, 0.4362 looks on a white background.

Color Contrast Check

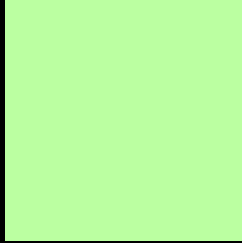
Large Text (above 18pt) WCAG AA × Fail

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 84.6580, 0.3230, 0.4362 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 84.6580, 0.3230, 0.4362

Background



This preview shows how black text looks on a background with the Yxy color 84.6580, 0.3230, 0.4362.

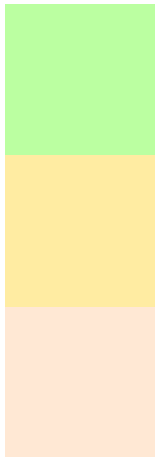


This preview shows how white text looks on a background with the Yxy color 84.6580, 0.3230, 0.4362.

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

84.6580, 0.3230, 0.4362

Protanopia

83.8595, 0.3740, 0.4034

Deuteranopia

83.7267, 0.3418, 0.3491



Tritanopia

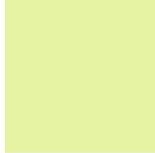
84.2767, 0.2871, 0.3144

Trichromacy



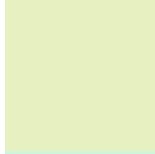
Original Color

84.6580, 0.3230, 0.4362



Protanomaly

83.5328, 0.3537, 0.4150



Deuteranomaly

82.9934, 0.3352, 0.3789



Tritanomaly

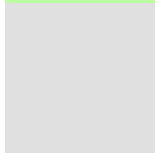
83.9694, 0.3008, 0.3562

Monochromacy



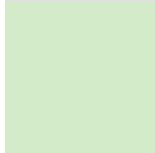
Original Color

84.6580, 0.3230, 0.4362



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 84.6580, 0.3230, 0.4362 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 161) }
```

Border

The CSS property to change the border of an element to Yxy 84.6580, 0.3230, 0.4362 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, 161) }
```

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

```
.border{ border-color:rgb(187, 255, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6580, 0.3230, 0.4362 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, 161) }
```

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

```
.background{ background-color: rgb(187,  
255, 161) }
```

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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