

Converting Colors

$Y_{xy}(171.7557, 0.3097, 0.4923)$

Have a look what the booklet for
Yxy(171.7557, 0.3097, 0.4923)
contains.

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Color

Yxy(85.6415, 0.3163, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	BEFFB1
RGB	190, 255, 177
RGB Percent	75%, 100%, 69%
CMY	0.2549, 0.0000, 0.3059
CMYK	0.25, 0.00, 0.31, 0.00
HSL	110°, 100%, 85%
HSV	110°, 31%, 100%
XYZ	64.9291, 85.6415, 54.7063
YIQ	226.6730, -13.7020, -38.0380

Conversions

Conversions Part 2

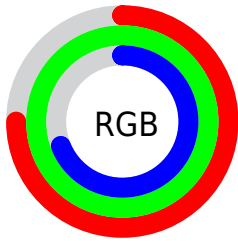
Format	Color
RYB	177, 255, 242
Decimal	12517297
CIELab	94.16, -34.47, 30.93
CIElCh	94, 46.312, 138.094
Yxy	85.6415, 0.3163, 0.4172
Android (android.graphics.Color)	4290707377 (0xFFBEFFB1)
YUV	226.6730, -24.4888, -32.1622
Hunter-Lab	92.5427, -36.7120, 29.7308

Details

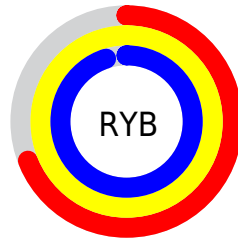
The Yxy color **85.6415, 0.3163, 0.4172** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.5483, 0.3061, 0.2503**, and the grayscale version is **76.7519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3597, 0.3211, 0.3506**, and **46.9943, 0.3156, 0.4385** is the 20% darker color. If you saturate the color by 10%, you get **82.1763, 0.3167, 0.4511**, and if you desaturate by 10%, it is **89.6933, 0.3154, 0.3854**.

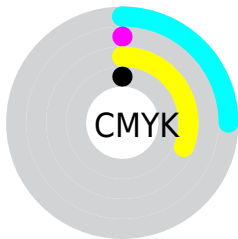
Distribution



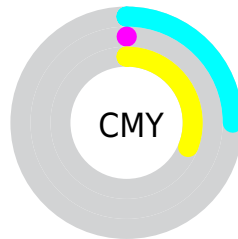
- Red (75%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (95%)



- Cyan (25%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6415, 0.3163, 0.4172 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 85.6415, 0.3163, 0.4172 by changing the saturation by 10% instead.


 85.6415, 0.3163,
0.4172

 85.6415, 0.3163,
0.4172

513.7484, 0.3159,
0.3756

 64.3716, 0.3161,
0.4268

 141.2691, 0.3164,
0.4026

 46.9517, 0.3156,
0.4388


176.3956, 0.3164,
0.3970

 32.9975, 0.3148,
0.4540


216.9096, 0.3163,
0.3922

 22.1245, 0.3133,
0.4739

263.1958, 0.3162,
0.3880

 13.9484, 0.3104,
0.5010

315.6383, 0.3162,
0.3843

 8.0848, 0.3046,
0.5396

374.6216, 0.3161,


 4.1493, 0.2926,


0.3811


0.5992


440.5302, 0.3160,
0.3782


 1.7574, 0.2695,
0.7305


 0.4604, 0.0000,
1.0000


 85.6415, 0.3163,
0.4172


 85.6415, 0.3163,
0.4172


 82.1763, 0.3167,
0.4511


 89.6933, 0.3154,
0.3854


 79.2737, 0.3164,
0.4856

 94.3615, 0.3142,
0.3563

 76.9023, 0.3153,
0.5189

 99.6692, 0.3128,
0.3304

 75.0291, 0.3133,
0.5486

 100.0000, 0.3127,
0.3290

■ 73.6174, 0.3106,
0.5723

■ 72.6248, 0.3073,
0.5883

■ 72.0215, 0.3043,
0.5966

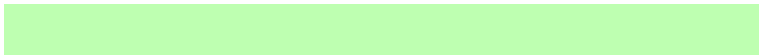
Harmonies

Analogous

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



85.6415, 0.3672, 0.4237



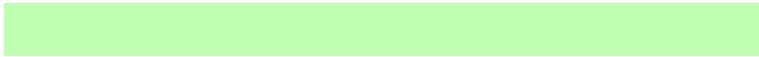
85.6415, 0.3163, 0.4172



85.6415, 0.2669, 0.3793

Triad

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



85.6415, 0.3163, 0.4172



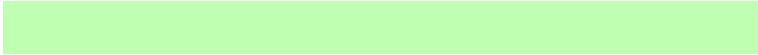
85.6415, 0.2256, 0.2523



85.6415, 0.4001, 0.3226

Complementary

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



85.6415, 0.3163, 0.4172



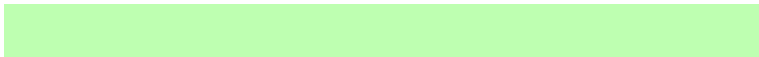
57.5483, 0.3061, 0.2503

Split Complementary

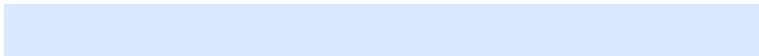
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6415, 0.3559, 0.2848



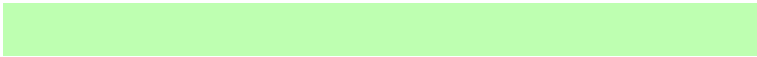
85.6415, 0.3163, 0.4172



85.6415, 0.2551, 0.2454

Square

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



85.6415, 0.3163, 0.4172



85.6415, 0.2174, 0.2799



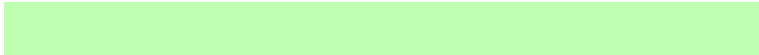
85.6415, 0.3019, 0.2574



85.6415, 0.4183, 0.3642

Rectangle

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



85.6415, 0.3163, 0.4172



85.6415, 0.2412, 0.3441



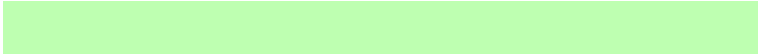
85.6415, 0.3019, 0.2574



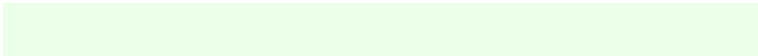
85.6415, 0.3876, 0.3092

Sweetspot

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



85.6402, 0.3163, 0.4172



95.1596, 0.3140, 0.3520



87.9397, 0.3626, 0.3940



20.2111, 0.3142, 0.3560



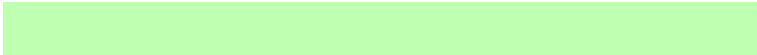
0.0000, 0.0000, 0.0000



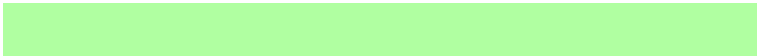
21.4041, 0.3127, 0.3290

Same Dimension

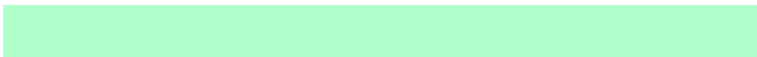
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6402, 0.3163, 0.4172



83.3521, 0.3166, 0.4388



85.1801, 0.2948, 0.3883



20.3133, 0.3141, 0.3534



37.6751, 0.3050, 0.5961



3.7072, 0.3113, 0.5911

Inverse Universe

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



57.5483, 0.3061, 0.2503



50.9902, 0.3042, 0.2335



58.3648, 0.3368, 0.2765



18.1384, 0.3111, 0.3054



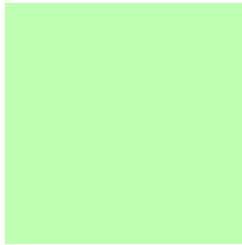
11.1867, 0.2790, 0.1311



1.1280, 0.2841, 0.1339

Previews

White Background



This preview shows how the Yxy color 85.6415, 0.3163, 0.4172 looks on a white background.

Color Contrast Check

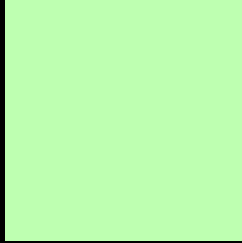
Large Text (above 18pt) WCAG AA × Fail

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 85.6415, 0.3163, 0.4172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

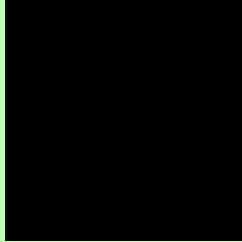
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

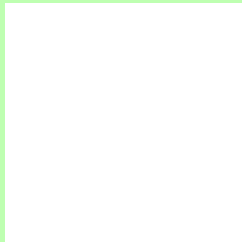
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6415, 0.3163, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 85.6415, 0.3163, 0.4172.

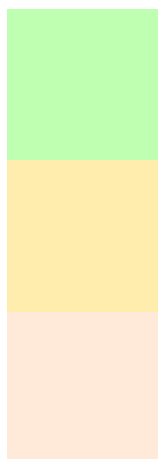


This preview shows how white text looks on a background with the Yxy color 85.6415, 0.3163, 0.4172.

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

85.6415, 0.3163, 0.4172

Protanopia

84.8455, 0.3666, 0.3934

Deuteranopia

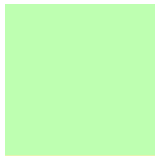
85.1154, 0.3382, 0.3460



Tritanopia

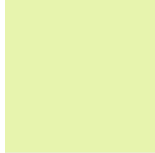
85.3232, 0.2889, 0.3155

Trichromacy



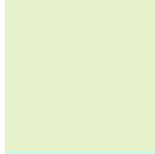
Original Color

85.6415, 0.3163, 0.4172



Protanomaly

84.7463, 0.3469, 0.4031



Deuteranomaly

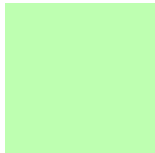
84.7575, 0.3300, 0.3711



Tritanomaly

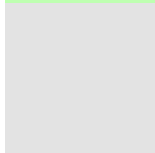
85.3330, 0.2992, 0.3505

Monochromacy



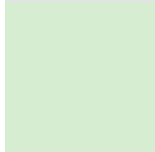
Original Color

85.6415, 0.3163, 0.4172



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4680, 0.3146, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6415, 0.3163, 0.4172 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(190, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 177)  
}
```

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(190, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 177) }
```

Border

The CSS property to change the border of an element to Yxy 85.6415, 0.3163, 0.4172 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(190, 255, 177) }
```

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

```
.border{ border-color:rgb(190, 255, 177) }
```

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

Here you see how a box with a 4 pixel rgb(190, 255, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6415, 0.3163, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 177) }
```

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

```
.background{ background-color: rgb(190,  
255, 177) }
```

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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