

Converting Colors

$Yxy(85.8016, 0.3080, 0.4033)$

Have a look what the booklet for
Yxy(85.8016, 0.3080, 0.4033)
contains.

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Color

Yxy(85.7589, 0.3080, 0.4037)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFBD
RGB	187, 255, 189
RGB Percent	73%, 100%, 74%
CMY	0.2669, 0.0000, 0.2588
CMYK	0.27, 0.00, 0.26, 0.00
HSL	122°, 100%, 87%
HSV	122°, 27%, 100%
XYZ	65.4291, 85.7589, 61.2442
YIQ	227.1440, -19.3420, -34.9420

Conversions

Conversions Part 2

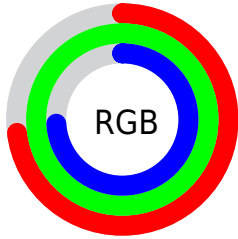
Format	Color
RYB	187, 253, 255
Decimal	12320701
CIELab	94.21, -33.56, 24.92
CIELCh	94, 41.798, 143.399
Yxy	85.7589, 0.3080, 0.4037
Android (android.graphics.Color)	4290510781 (0xFFBBFFBD)
YUV	227.1440, -18.8050, -35.2063
Hunter-Lab	92.6061, -35.9448, 25.6134

Details

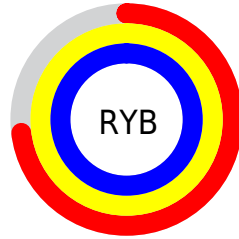
The Yxy color **85.7589, 0.3080, 0.4037** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.8693, 0.3173, 0.2642**, and the grayscale version is **77.0639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4069, 0.3111, 0.3378**, and **47.0430, 0.3061, 0.4225** is the 20% darker color. If you saturate the color by 10%, you get **81.8338, 0.3061, 0.4373**, and if you desaturate by 10%, it is **90.4255, 0.3099, 0.3729**.

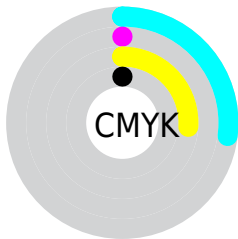
Distribution



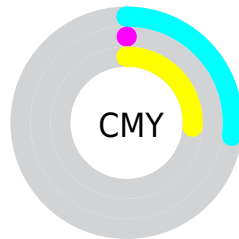
- Red (73%)
- Green (100%)
- Blue (74%)



- Red (73%)
- Yellow (99%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7589, 0.3080, 0.4037 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 85.7589, 0.3080, 0.4037 by changing the saturation by 10% instead.


 85.7589, 0.3080,
0.4037

 85.7589, 0.3080,
0.4037

514.1359, 0.3110,
0.3685

 64.4686, 0.3071,
0.4119


 141.4330, 0.3092,
0.3914

 47.0303, 0.3059,
0.4220


176.5856, 0.3096,
0.3866

 33.0596, 0.3043,
0.4349


217.1278, 0.3100,
0.3826

 22.1721, 0.3018,
0.4518

263.4439, 0.3102,
0.3790

 13.9834, 0.2980,
0.4750

315.9184, 0.3105,
0.3759

 8.1091, 0.2916,
0.5085


374.9356, 0.3107,


 4.1649, 0.2793,


0.3732


0.5604


440.8800, 0.3108,
0.3707


 1.7662, 0.2768,
0.7232

 0.4660, 0.0000,
1.0000


 85.7589, 0.3080,
0.4037


 85.7589, 0.3080,
0.4037

 81.8338, 0.3061,
0.4373


 90.4255, 0.3099,
0.3729

 78.6297, 0.3042,
0.4726

 95.8891, 0.3116,
0.3454

 76.0970, 0.3024,
0.5077

100.0000, 0.3127,
0.3290

 74.1882, 0.3010,
0.5401

■ 72.8491, 0.3001,
0.5670

■ 72.0165, 0.2996,
0.5862

■ 71.6115, 0.2997,
0.5969

■ 71.5368, 0.2996,
0.5987

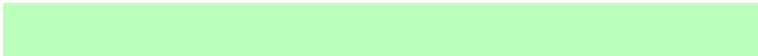
Harmonies

Analogous

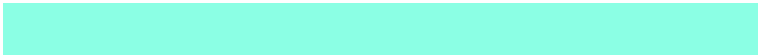
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7589, 0.3548, 0.4153



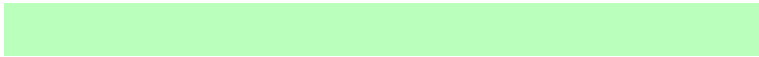
85.7589, 0.3080, 0.4037



85.7589, 0.2645, 0.3662

Triad

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



85.7589, 0.3080, 0.4037



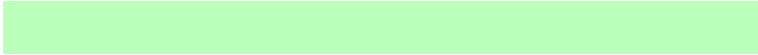
85.7589, 0.2369, 0.2569



85.7589, 0.3963, 0.3303

Complementary

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



85.7589, 0.3080, 0.4037



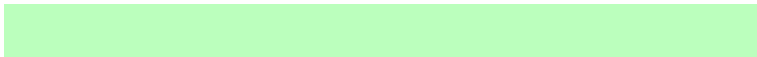
63.8693, 0.3173, 0.2642

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.



85.7589, 0.3599, 0.2945



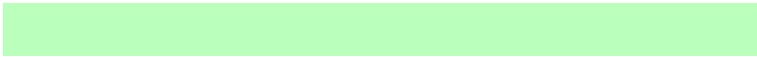
85.7589, 0.3080, 0.4037



85.7589, 0.2671, 0.2535

Square

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



85.7589, 0.3080, 0.4037



85.7589, 0.2257, 0.2792



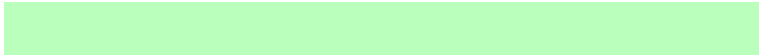
85.7589, 0.3117, 0.2672



85.7589, 0.4080, 0.3682

Rectangle

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



85.7589, 0.3080, 0.4037



85.7589, 0.2430, 0.3344



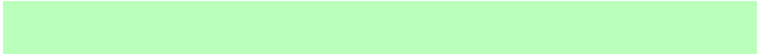
85.7589, 0.3117, 0.2672



85.7589, 0.3864, 0.3178

Sweetspot

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



85.7526, 0.3080, 0.4037



95.1246, 0.3114, 0.3488



96.1513, 0.3524, 0.3961



20.1770, 0.3111, 0.3528



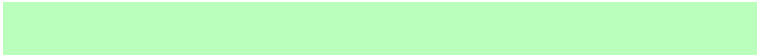
0.0000, 0.0000, 0.0000



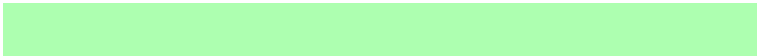
21.4041, 0.3127, 0.3290

Same Dimension

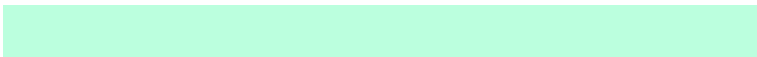
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7526, 0.3080, 0.4037



83.5785, 0.3070, 0.4213



87.3585, 0.2903, 0.3652



20.1770, 0.3111, 0.3528



37.3833, 0.2995, 0.5982



3.6429, 0.2983, 0.5938

Inverse Universe

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



63.8693, 0.3173, 0.2642



58.3640, 0.3183, 0.2513



61.9391, 0.3430, 0.2955



18.2904, 0.3143, 0.3063



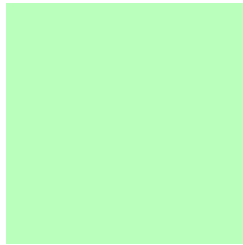
14.6331, 0.3286, 0.1584



1.4276, 0.3276, 0.1579

Previews

White Background



This preview shows how the Yxy color 85.7589, 0.3080, 0.4037 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 85.7589, 0.3080, 0.4037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

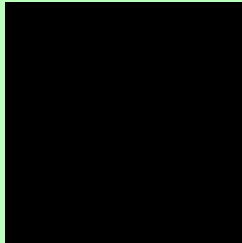
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.7589, 0.3080, 0.4037

Background



This preview shows how black text looks on a background with the Yxy color 85.7589, 0.3080, 0.4037.

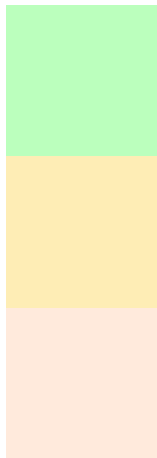


This preview shows how white text looks on a background with the Yxy color 85.7589, 0.3080, 0.4037.

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

85.7589, 0.3080, 0.4037

Protanopia

84.9754, 0.3607, 0.3855

Deuteranopia

85.2729, 0.3362, 0.3430



Tritanopia

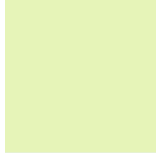
85.1713, 0.2883, 0.3155

Trichromacy



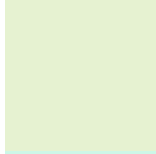
Original Color

85.7589, 0.3080, 0.4037



Protanomaly

84.9851, 0.3401, 0.3926



Deuteranomaly

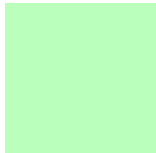
84.9307, 0.3250, 0.3637



Tritanomaly

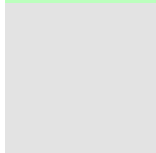
85.2702, 0.2958, 0.3461

Monochromacy



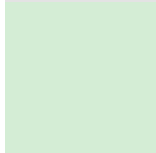
Original Color

85.7589, 0.3080, 0.4037



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3695, 0.3108, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7589, 0.3080, 0.4037 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 85.7589, 0.3080, 0.4037 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, 189) }
```

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

```
.border{ border-color:rgb(187, 255, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7589, 0.3080, 0.4037 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, 189) }
```

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

```
.background{ background-color: rgb(187,  
255, 189) }
```

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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