

Converting Colors

$Y_{xy}(129.5541, 0.3058, 0.4594)$

Have a look what the booklet for
Yxy(129.5541, 0.3058, 0.4594)
contains.

Yxy(85.0901, 0.3078, 0.4089)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.0901, 0.3078, 0.4089)

Conversions

Conversions Part 1

Format	Color
Hex	B7FFB9
RGB	183, 255, 185
RGB Percent	72%, 100%, 73%
CMY	0.2822, 0.0000, 0.2745
CMYK	0.28, 0.00, 0.27, 0.00
HSL	122°, 100%, 86%
HSV	122°, 28%, 100%
XYZ	64.0517, 85.0901, 58.9534
YIQ	225.4920, -20.4420, -37.0340

Conversions

Conversions Part 2

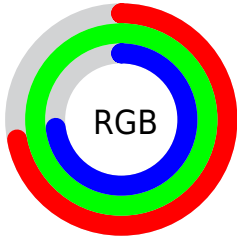
Format	Color
RYB	183, 253, 255
Decimal	12058553
CIELab	93.92, -35.44, 26.51
CIElCh	94, 44.257, 143.200
Yxy	85.0901, 0.3078, 0.4089
Android (android.graphics.Color)	4290248633 (0xFFB7FFB9)
YUV	225.4920, -19.9626, -37.2655
Hunter-Lab	92.2443, -37.4825, 26.6788

Details

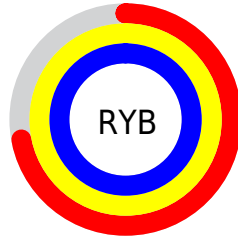
The Yxy color **85.0901, 0.3078, 0.4089** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.2326, 0.3175, 0.2603**, and the grayscale version is **75.8322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3961, 0.3114, 0.3428**, and **46.6433, 0.3052, 0.4280** is the 20% darker color. If you saturate the color by 10%, you get **81.2865, 0.3059, 0.4430**, and if you desaturate by 10%, it is **89.6500, 0.3097, 0.3775**.

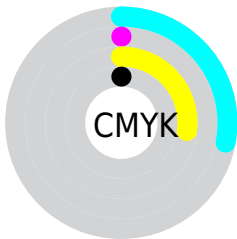
Distribution



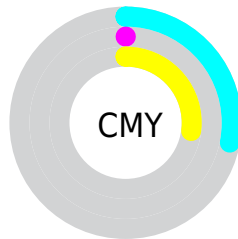
- Red (72%)
- Green (100%)
- Blue (73%)



- Red (72%)
- Yellow (99%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0901, 0.3078, 0.4089 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 85.0901, 0.3078, 0.4089 by changing the saturation by 10% instead.


 85.0901, 0.3078,
0.4089

 85.0901, 0.3078,
0.4089

511.9262, 0.3110,
0.3711

 63.9158, 0.3068,
0.4177


 140.4991, 0.3091,
0.3957

 46.5825, 0.3055,
0.4286


175.5025, 0.3095,
0.3906

 32.7057, 0.3037,
0.4425


215.8845, 0.3099,
0.3862

 21.9011, 0.3010,
0.4608

262.0294, 0.3102,
0.3824

 13.7843, 0.2967,
0.4860

314.3217, 0.3105,
0.3790

 7.9708, 0.2893,
0.5223

373.1456, 0.3107,

 4.0762, 0.2752,

0.3761

0.5784

438.8856, 0.3108,
0.3735

1.7163, 0.2590,
0.7410

0.4342, 0.0000,
1.0000

85.0901, 0.3078,
0.4089

85.0901, 0.3078,
0.4089

81.2865, 0.3059,
0.4430

89.6500, 0.3097,
0.3775

78.1884, 0.3040,
0.4784

94.9925, 0.3114,
0.3495

75.7554, 0.3023,
0.5133

99.9992, 0.3127,
0.3290

73.9390, 0.3010,
0.5451

■ 72.6837, 0.3001,
0.5709

■ 71.9245, 0.2997,
0.5887

■ 71.5736, 0.2997,
0.5979

■ 71.5346, 0.2997,
0.5988

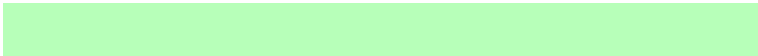
Harmonies

Analogous

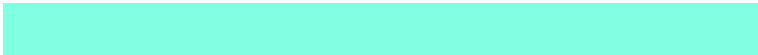
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0901, 0.3574, 0.4207



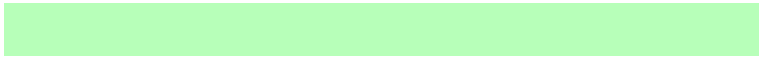
85.0901, 0.3078, 0.4089



85.0901, 0.2618, 0.3689

Triad

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



85.0901, 0.3078, 0.4089



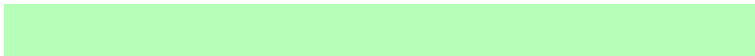
85.0901, 0.2324, 0.2529



85.0901, 0.4013, 0.3298

Complementary

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



85.0901, 0.3078, 0.4089



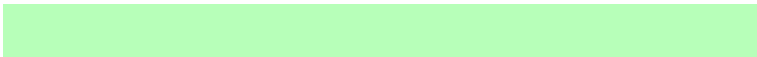
62.2326, 0.3175, 0.2603

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.



85.0901, 0.3624, 0.2922



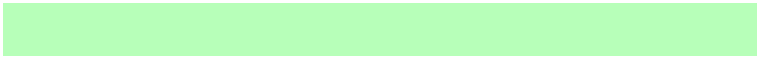
85.0901, 0.3078, 0.4089



85.0901, 0.2641, 0.2493

Square

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



85.0901, 0.3078, 0.4089



85.0901, 0.2209, 0.2762



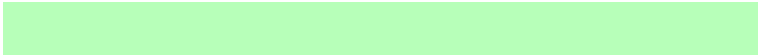
85.0901, 0.3111, 0.2637



85.0901, 0.4138, 0.3698

Rectangle

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



85.0901, 0.3078, 0.4089



85.0901, 0.2391, 0.3348



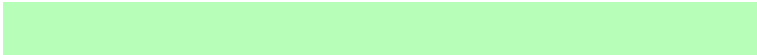
85.0901, 0.3111, 0.2637



85.0901, 0.3908, 0.3167

Sweetspot

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



85.0937, 0.3078, 0.4089



95.1217, 0.3114, 0.3489



95.9724, 0.3547, 0.4000



20.1763, 0.3112, 0.3529



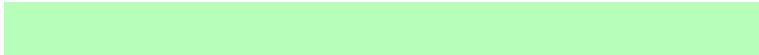
0.0000, 0.0000, 0.0000



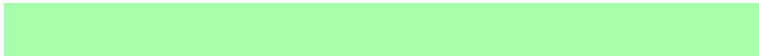
21.4041, 0.3127, 0.3290

Same Dimension

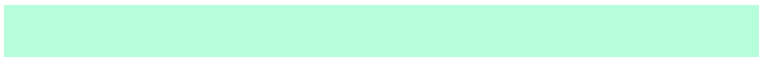
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0937, 0.3078, 0.4089



82.8062, 0.3067, 0.4283



86.7690, 0.2891, 0.3676



20.1763, 0.3112, 0.3529



37.3823, 0.2995, 0.5983



3.6425, 0.2984, 0.5943

Inverse Universe

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



62.2326, 0.3175, 0.2603



56.4433, 0.3185, 0.2464



60.1920, 0.3453, 0.2935



18.2912, 0.3142, 0.3062



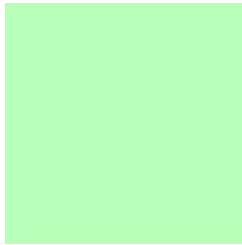
14.6532, 0.3279, 0.1580



1.4294, 0.3271, 0.1575

Previews

White Background



This preview shows how the Yxy color 85.0901, 0.3078, 0.4089 looks on a white background.

Color Contrast Check

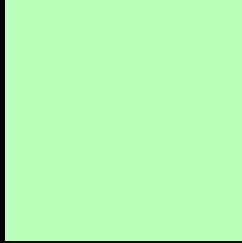
Large Text (above 18pt) WCAG AA × Fail

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 85.0901, 0.3078, 0.4089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

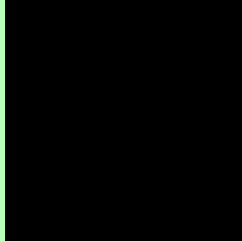
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.0901, 0.3078, 0.4089

Background



This preview shows how black text looks on a background with the Yxy color 85.0901, 0.3078, 0.4089.

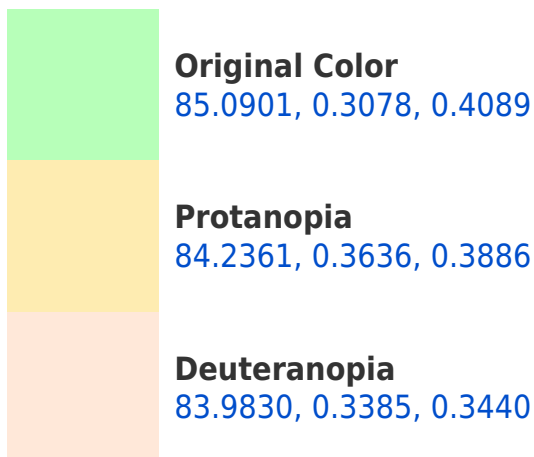


This preview shows how white text looks on a background with the Yxy color 85.0901, 0.3078, 0.4089.

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





Tritanopia

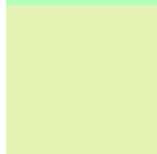
84.7213, 0.2865, 0.3154

Trichromacy



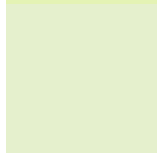
Original Color

85.0901, 0.3078, 0.4089



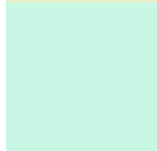
Protanomaly

83.8905, 0.3414, 0.3962



Deuteranomaly

83.3860, 0.3270, 0.3660



Tritanomaly

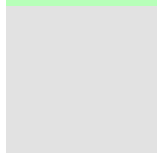
84.6522, 0.2939, 0.3473

Monochromacy



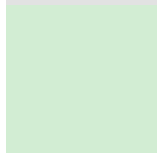
Original Color

85.0901, 0.3078, 0.4089



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.9732, 0.3107, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0901, 0.3078, 0.4089 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(183, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 185)  
}
```

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(183, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 185) }
```

Border

The CSS property to change the border of an element to Yxy 85.0901, 0.3078, 0.4089 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(183, 255, 185) }
```

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

```
.border{ border-color:rgb(183, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0901, 0.3078, 0.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 185) }
```

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

```
.background{ background-color: rgb(183,  
255, 185) }
```

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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