

Converting Colors

$Yxy(85.1387, 0.3012, 0.3536)$

Have a look what the booklet for
Yxy(85.1387, 0.3012, 0.3536)
contains.

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Color

Yxy(85.1687, 0.3009, 0.3538)

Conversions

Conversions Part 1

Format	Color
Hex	CFF7E0
RGB	207, 247, 224
RGB Percent	81%, 97%, 88%
CMY	0.1884, 0.0313, 0.1217
CMYK	0.16, 0.00, 0.09, 0.03
HSL	145°, 72%, 89%
HSV	145°, 16%, 97%
XYZ	72.4343, 85.1687, 83.1225
YIQ	232.4180, -16.4570, -15.6330

Conversions

Conversions Part 2

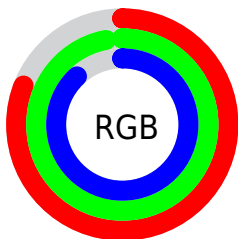
Format	Color
R_{YB}	207, 235, 247
Decimal	13629408
CIE _{Lab}	93.96, -17.24, 6.79
CIE _{LCh}	94, 18.528, 158.502
Yxy	85.1687, 0.3009, 0.3538
Android (android.graphics.Color)	4291819488 (0xFFCFF7E0)
YUV	232.4180, -4.1501, -22.2916
Hunter-Lab	92.2869, -21.4006, 11.1985

Details

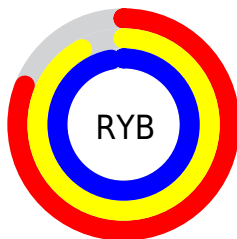
The Yxy color **85.1687, 0.3009, 0.3538** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0938, 0.3266, 0.3054**, and the grayscale version is **81.0613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8016, 0.2978, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **81.1504, 0.2940, 0.3714**, and if you desaturate by 10%, it is **89.8151, 0.3081, 0.3380**.

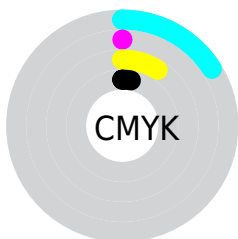
Distribution



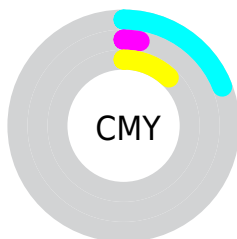
- Red (81%)
- Green (97%)
- Blue (88%)



- Red (81%)
- Yellow (92%)
- Blue (97%)



- Cyan (16%)
- Magenta (0%)
- Yellow (9%)
- Black (3%)





- Cyan (19%)
- Magenta (3%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1687, 0.3009, 0.3538 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 85.1687, 0.3009, 0.3538 by changing the saturation by 10% instead.


 85.1687, 0.3009,
0.3538

 85.1687, 0.3009,
0.3538

512.1861, 0.3063,
0.3424

 63.9808, 0.2997,
0.3564


140.6089, 0.3028,
0.3499

 46.6351, 0.2982,
0.3596


175.6299, 0.3035,
0.3483

 32.7473, 0.2962,
0.3636


216.0307, 0.3041,
0.3470

 21.9329, 0.2938,
0.3688

262.1958, 0.3047,
0.3459

 13.8076, 0.2904,
0.3758

314.5095, 0.3052,
0.3448

 7.9870, 0.2856,
0.3859

373.3561, 0.3056,

 4.0866, 0.2782,

0.3440

0.4016

439.1202, 0.3060,
0.3431

■ 1.7221, 0.2652,
0.4289

■ 0.4379, 0.0000,
0.9952

■ 85.1687, 0.3009,
0.3538

■ 85.1687, 0.3009,
0.3538

■ 81.1504, 0.2940,
0.3714

■ 89.8151, 0.3081,
0.3380

■ 77.7221, 0.2876,
0.3908

■ 94.8463, 0.3146,
0.3239

■ 74.8579, 0.2821,
0.4118

■ 95.0132, 0.3131,
0.3214

■ 72.5257, 0.2779,
0.4339

■ 70.6901, 0.2753,
0.4566

■ 69.3112, 0.2745,
0.4793

■ 68.3423, 0.2757,
0.5011

■ 67.7260, 0.2787,
0.5212

■ 67.5518, 0.2801,
0.5283

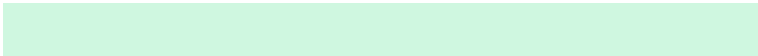
Harmonies

Analogous

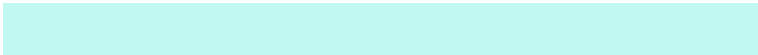
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1687, 0.3221, 0.3649



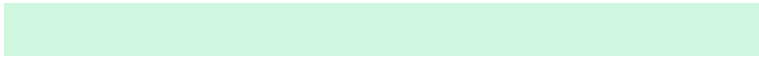
85.1687, 0.3009, 0.3538



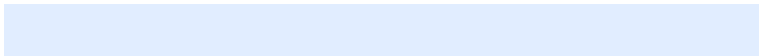
85.1687, 0.2833, 0.3354

Triad

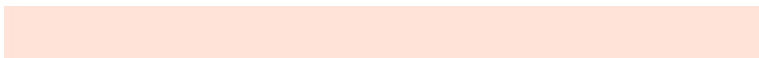
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.1687, 0.3009, 0.3538



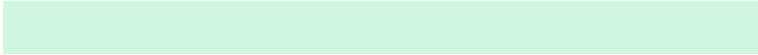
85.1687, 0.2842, 0.2938



85.1687, 0.3536, 0.3399

Complementary

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



85.1687, 0.3009, 0.3538



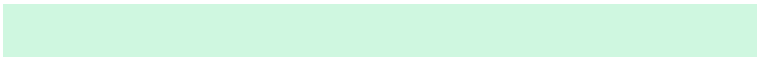
70.0938, 0.3266, 0.3054

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.



85.1687, 0.3427, 0.3218



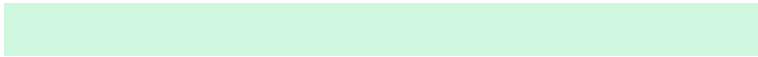
85.1687, 0.3009, 0.3538



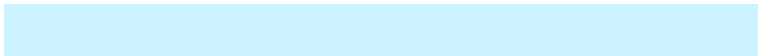
85.1687, 0.3023, 0.2959

Square

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



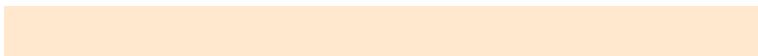
85.1687, 0.3009, 0.3538



85.1687, 0.2738, 0.3009



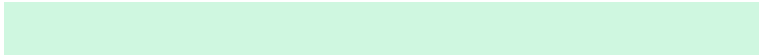
85.1687, 0.3237, 0.3060



85.1687, 0.3530, 0.3559

Rectangle

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



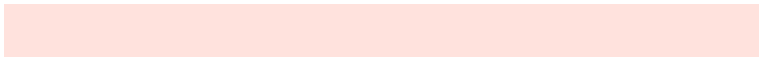
85.1687, 0.3009, 0.3538



85.1687, 0.2757, 0.3221



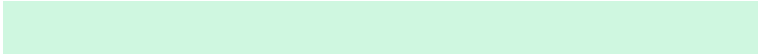
85.1687, 0.3237, 0.3060



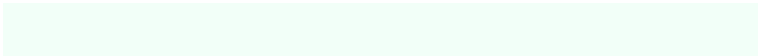
85.1687, 0.3512, 0.3339

Sweetspot

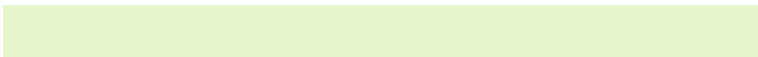
The Sweet Spot groups the original color and five complimentary colors.



85.1723, 0.3009, 0.3538



97.1981, 0.3090, 0.3362



87.9127, 0.3259, 0.3708



20.7231, 0.3085, 0.3372



0.0000, 0.0000, 0.0000



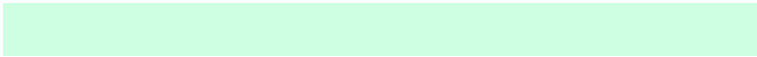
21.4041, 0.3127, 0.3290

Same Dimension

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



85.1723, 0.3009, 0.3538



90.2740, 0.2989, 0.3586



86.3041, 0.2899, 0.3325



18.5889, 0.3058, 0.3429



35.7467, 0.2792, 0.5252



3.1619, 0.2724, 0.5005

Inverse Universe

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



70.0938, 0.3266, 0.3054



71.6325, 0.3294, 0.3012



69.0484, 0.3411, 0.3256



16.6423, 0.3203, 0.3155



11.5209, 0.4644, 0.2332



1.0331, 0.4414, 0.2205

Previews

White Background



This preview shows how the Yxy color 85.1687, 0.3009, 0.3538 looks on a white background.

Color Contrast Check

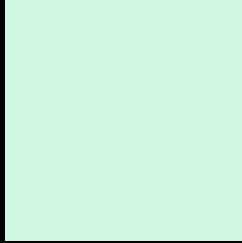
Large Text (above 18pt) WCAG AA × Fail

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 85.1687, 0.3009, 0.3538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

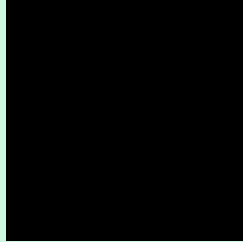
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

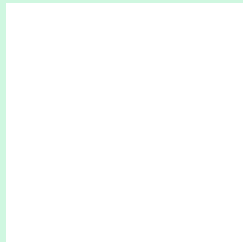
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.1687, 0.3009, 0.3538

Background



This preview shows how black text looks on a background with the Yxy color 85.1687, 0.3009, 0.3538.

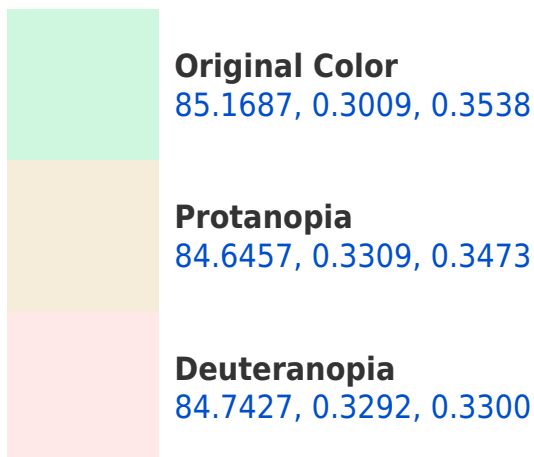


This preview shows how white text looks on a background with the Yxy color 85.1687, 0.3009, 0.3538.

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

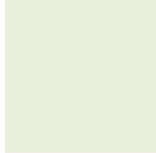
84.7558, 0.2913, 0.3136

Trichromacy



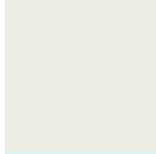
Original Color

85.1687, 0.3009, 0.3538



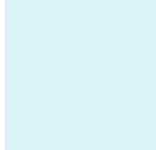
Protanomaly

84.6433, 0.3197, 0.3498



Deuteranomaly

84.3470, 0.3190, 0.3382



Tritanomaly

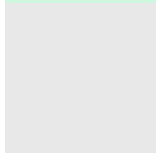
85.0799, 0.2945, 0.3279

Monochromacy



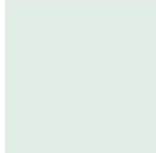
Original Color

85.1687, 0.3009, 0.3538



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

81.9135, 0.3084, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1687, 0.3009, 0.3538 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(207, 247, 224)` looks like.

```
.text, #text, p{  
    color:rgb(207, 247, 224)  
}
```

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(207, 247, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 247, 224) }
```

Border

The CSS property to change the border of an element to Yxy 85.1687, 0.3009, 0.3538 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(207, 247, 224) }
```

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

```
.border{ border-color:rgb(207, 247, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 247, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 247, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 247, 224);  
box-shadow:4px 4px 4px 4px rgb(207, 247,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1687, 0.3009, 0.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 247, 224) }
```

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

```
.background{ background-color: rgb(207,  
247, 224) }
```

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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