

Converting Colors

$Yxy(85.3392, 0.3008, 0.3425)$

Have a look what the booklet for
Yxy(85.3392, 0.3008, 0.3425)
contains.

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Color

Yxy(85.4272, 0.3007, 0.3427)

Conversions

Conversions Part 1

Format	Color
Hex	D6F5E8
RGB	214, 245, 232
RGB Percent	84%, 96%, 91%
CMY	0.1607, 0.0392, 0.0901
CMYK	0.13, 0.00, 0.05, 0.04
HSL	155°, 61%, 90%
HSV	155°, 13%, 96%
XYZ	74.9576, 85.4272, 88.8921
YIQ	234.2490, -14.3030, -10.6150

Conversions

Conversions Part 2

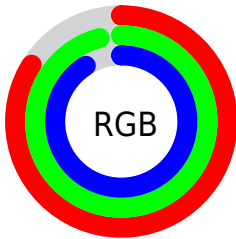
Format	Color
R_{YB}	214, 234, 245
Decimal	14087656
CIE _{Lab}	94.07, -12.48, 2.85
CIE _{LCh}	94, 12.796, 167.146
Y _{xy}	85.4272, 0.3007, 0.3427
Android (android.graphics.Color)	4292277736 (0xFFD6F5E8)
YUV	234.2490, -1.1088, -17.7584
Hunter-Lab	92.4268, -16.9846, 7.6762

Details

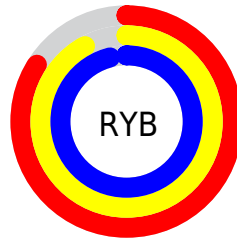
The Yxy color **85.4272, 0.3007, 0.3427** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0682, 0.3265, 0.3157**, and the grayscale version is **82.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9007, 0.2982, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **81.4500, 0.2916, 0.3549**, and if you desaturate by 10%, it is **90.0001, 0.3102, 0.3317**.

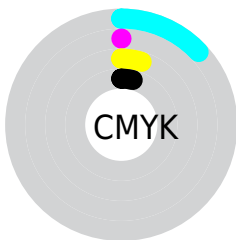
Distribution



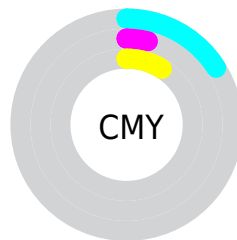
- Red (84%)
- Green (96%)
- Blue (91%)



- Red (84%)
- Yellow (92%)
- Blue (96%)



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)




- Cyan (16%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.4272, 0.3007, 0.3427 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 85.4272, 0.3007, 0.3427 by changing the saturation by 10% instead.


 85.4272, 0.3007,
0.3427

 85.4272, 0.3007,
0.3427


513.0406, 0.3061,
0.3365

 64.1944, 0.2995,
0.3441


140.9699, 0.3026,
0.3406

 46.8082, 0.2980,
0.3458


176.0486, 0.3033,
0.3397

 32.8840, 0.2961,
0.3480


216.5114, 0.3039,
0.3390

 22.0376, 0.2937,
0.3507

262.7427, 0.3045,
0.3384

 13.8845, 0.2905,
0.3545

315.1268, 0.3050,
0.3378

 8.0404, 0.2860,
0.3598

374.0483, 0.3054,

 4.1208, 0.2792,

0.3373

0.3678

439.8914, 0.3058,
0.3369

■ 1.7414, 0.2677,
0.3816

■ 0.4502, 0.1427,
0.5206

■ 85.4272, 0.3007,
0.3427

■ 85.4272, 0.3007,
0.3427

■ 81.4500, 0.2916,
0.3549

■ 90.0001, 0.3102,
0.3317

■ 78.0325, 0.2832,
0.3683

■ 93.6264, 0.3146,
0.3218

■ 75.1511, 0.2757,
0.3828

■ 93.7827, 0.3132,
0.3194

■ 72.7765, 0.2695,
0.3983

■ 70.8763, 0.2650,
0.4144

■ 69.4142, 0.2624,
0.4310

■ 68.3484, 0.2618,
0.4475

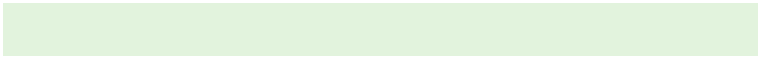
■ 67.6287, 0.2633,
0.4637

■ 67.2643, 0.2654,
0.4753

Harmonies

Analogous

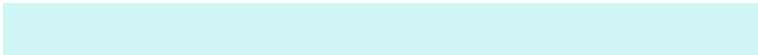
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4272, 0.3151, 0.3520



85.4272, 0.3007, 0.3427



85.4272, 0.2897, 0.3296

Triad

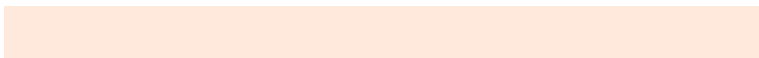
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4272, 0.3007, 0.3427



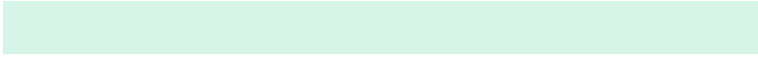
85.4272, 0.2962, 0.3043



85.4272, 0.3415, 0.3403

Complementary

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



85.4272, 0.3007, 0.3427



73.0682, 0.3265, 0.3157

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.



85.4272, 0.3362, 0.3278



85.4272, 0.3007, 0.3427



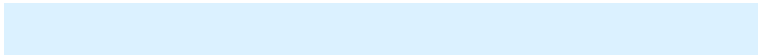
85.4272, 0.3098, 0.3074

Square

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



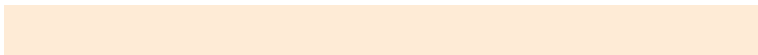
85.4272, 0.3007, 0.3427



85.4272, 0.2871, 0.3076



85.4272, 0.3245, 0.3159



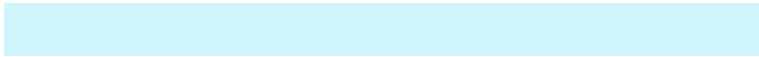
85.4272, 0.3389, 0.3502

Rectangle

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



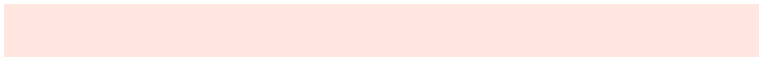
85.4272, 0.3007, 0.3427



85.4272, 0.2856, 0.3207



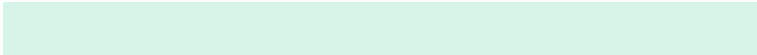
85.4272, 0.3245, 0.3159



85.4272, 0.3406, 0.3362

Sweetspot

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



85.4308, 0.3007, 0.3427



97.8441, 0.3089, 0.3331



86.5636, 0.3199, 0.3615



20.8585, 0.3081, 0.3339



0.0000, 0.0000, 0.0000



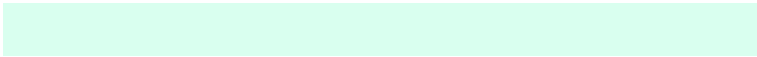
21.4041, 0.3127, 0.3290

Same Dimension

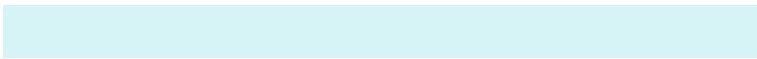
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4308, 0.3007, 0.3427



92.4633, 0.2985, 0.3455



84.9540, 0.2933, 0.3268



18.6335, 0.3037, 0.3391



36.2660, 0.2647, 0.4727



3.2079, 0.2591, 0.4528

Inverse Universe

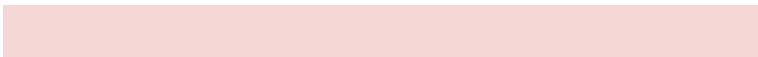
The Inverse Universe completely reimagines the original color for something new.



73.0682, 0.3265, 0.3157



76.6279, 0.3296, 0.3131



73.4298, 0.3355, 0.3312



16.5978, 0.3228, 0.3191



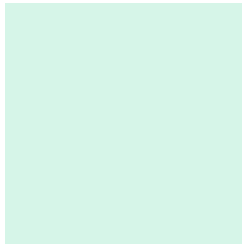
11.0086, 0.5300, 0.2694



0.9876, 0.4977, 0.2516

Previews

White Background



This preview shows how the Yxy color 85.4272, 0.3007, 0.3427 looks on a white background.

Color Contrast Check

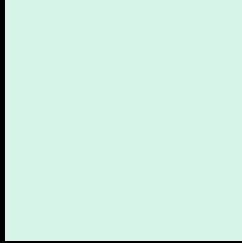
Large Text (above 18pt) WCAG AA × Fail

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 85.4272, 0.3007, 0.3427 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

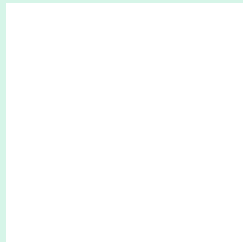
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.4272, 0.3007, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 85.4272, 0.3007, 0.3427.

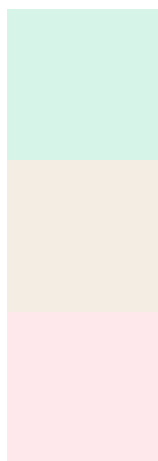


This preview shows how white text looks on a background with the Yxy color 85.4272, 0.3007, 0.3427.

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

85.4272, 0.3007, 0.3427

Protanopia

85.3475, 0.3237, 0.3391

Deuteranopia

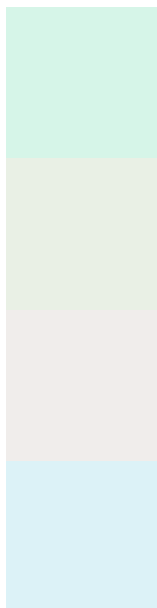
85.0294, 0.3259, 0.3251



Tritanopia

85.2282, 0.2931, 0.3136

Trichromacy



Original Color

85.4272, 0.3007, 0.3427

Protanomaly

85.3010, 0.3148, 0.3403

Deuteranomaly

85.0918, 0.3160, 0.3310

Tritanomaly

85.4353, 0.2958, 0.3238

Monochromacy



Original Color

85.4272, 0.3007, 0.3427

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.3632, 0.3085, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.4272, 0.3007, 0.3427 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(214, 245, 232)` looks like.

```
.text, #text, p{  
    color:rgb(214, 245, 232)  
}
```

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(214, 245, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 245, 232) }
```

Border

The CSS property to change the border of an element to Yxy 85.4272, 0.3007, 0.3427 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(214, 245, 232) }
```

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

```
.border{ border-color:rgb(214, 245, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 245, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 245, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 245, 232);  
box-shadow:4px 4px 4px 4px rgb(214, 245,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 85.4272, 0.3007, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 245, 232) }
```

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

```
.background{ background-color: rgb(214,  
245, 232) }
```

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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