

Converting Colors

$Yxy(85.7874, 0.2959, 0.3435)$

Have a look what the booklet for
Yxy(85.7874, 0.2959, 0.3435)
contains.

Yxy(85.6701, 0.2959, 0.3439)	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(85.6701, 0.2959, 0.3439)

Conversions

Conversions Part 1

Format	Color
Hex	CFF7E9
RGB	207, 247, 233
RGB Percent	81%, 97%, 91%
CMY	0.1880, 0.0314, 0.0863
CMYK	0.16, 0.00, 0.06, 0.03
HSL	159°, 71%, 89%
HSV	159°, 16%, 97%
XYZ	73.7127, 85.6701, 89.7306
YIQ	233.4440, -19.3460, -12.8340

Conversions

Conversions Part 2

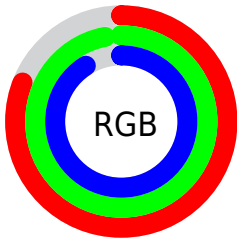
Format	Color
R _Y B	207, 231, 247
Decimal	13629417
CIE Lab	94.17, -15.50, 2.44
CIE LCh	94, 15.687, 171.050
Yxy	85.6701, 0.2959, 0.3439
Android (android.graphics.Color)	4291819497 (0xFFCFF7E9)
YUV	233.4440, -0.2189, -23.1914
Hunter-Lab	92.5581, -19.8206, 7.3119

Details

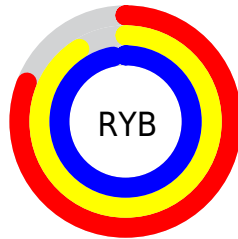
The Yxy color **85.6701, 0.2959, 0.3439** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6550, 0.3331, 0.3146**, and the grayscale version is **81.8600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1113, 0.2922, 0.3484** is the 20% darker color. If you saturate the color by 10%, you get **81.9055, 0.2862, 0.3544**, and if you desaturate by 10%, it is **90.0227, 0.3062, 0.3344**.

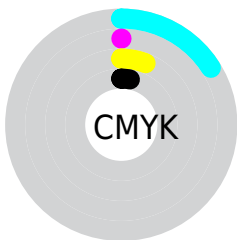
Distribution



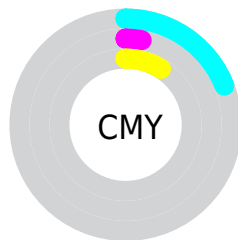
- Red (81%)
- Green (97%)
- Blue (91%)



- Red (81%)
- Yellow (91%)
- Blue (97%)



- Cyan (16%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)





- Cyan (19%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6701, 0.2959, 0.3439 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 85.6701, 0.2959, 0.3439 by changing the saturation by 10% instead.

 85.6701, 0.2959,
0.3439

 85.6701, 0.2959,
0.3439


513.8428, 0.3035,
0.3371

 64.3952, 0.2942,
0.3454


141.3090, 0.2985,
0.3416

 46.9708, 0.2921,
0.3473


176.4419, 0.2995,
0.3407

 33.0126, 0.2896,
0.3496


216.9628, 0.3004,
0.3399

 22.1361, 0.2862,
0.3526

263.2562, 0.3012,
0.3392

 13.9569, 0.2818,
0.3567

315.7065, 0.3019,
0.3386

 8.0907, 0.2756,
0.3624

374.6981, 0.3025,

 4.1531, 0.2662,

0.3381

0.3710

440.6154, 0.3030,
0.3376

■ 1.7595, 0.2506,
0.3858

■ 0.4618, 0.0709,
0.5404

■ 85.6701, 0.2959,
0.3439

■ 85.6701, 0.2959,
0.3439

■ 81.9055, 0.2862,
0.3544

■ 90.0227, 0.3062,
0.3344

■ 78.6920, 0.2773,
0.3658

■ 94.6980, 0.3159,
0.3258


■ 76.0050, 0.2695,
0.3781


■ 94.9962, 0.3131,
0.3214

■ 73.8139, 0.2633,
0.3910

 72.0845, 0.2589,
0.4045

 70.7785, 0.2564,
0.4181

 69.8509, 0.2560,
0.4318

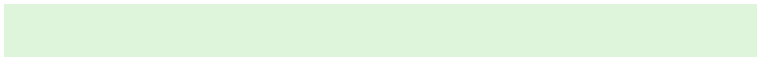
 69.2460, 0.2575,
0.4453

 69.0667, 0.2584,
0.4503

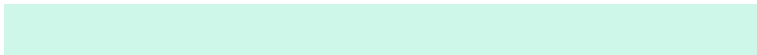
Harmonies

Analogous

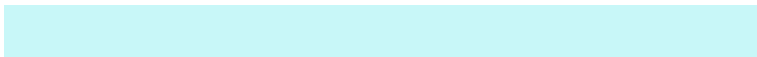
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6701, 0.3132, 0.3563



85.6701, 0.2959, 0.3439



85.6701, 0.2833, 0.3275

Triad

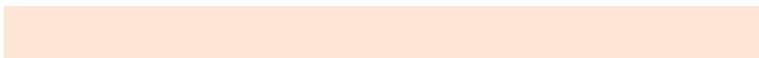
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6701, 0.2959, 0.3439



85.6701, 0.2944, 0.2989



85.6701, 0.3482, 0.3445

Complementary

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



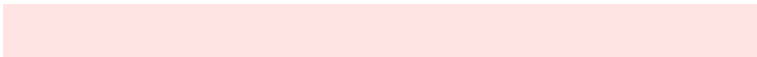
85.6701, 0.2959, 0.3439



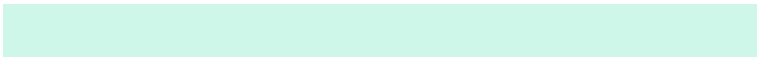
69.6550, 0.3331, 0.3146

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.



85.6701, 0.3429, 0.3294



85.6701, 0.2959, 0.3439



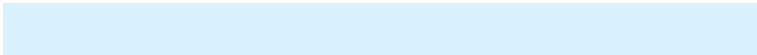
85.6701, 0.3115, 0.3037

Square

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



85.6701, 0.2959, 0.3439



85.6701, 0.2824, 0.3018



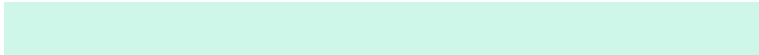
85.6701, 0.3293, 0.3147



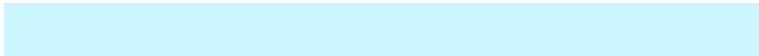
85.6701, 0.3436, 0.3560

Rectangle

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



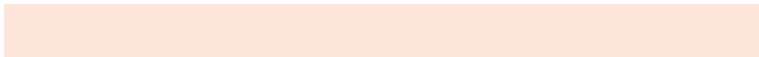
85.6701, 0.2959, 0.3439



85.6701, 0.2791, 0.3168



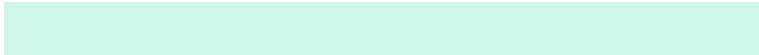
85.6701, 0.3293, 0.3147



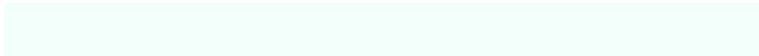
85.6701, 0.3475, 0.3396

Sweetspot

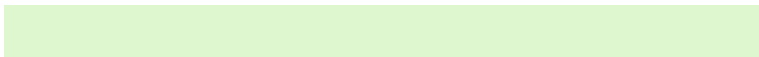
The Sweet Spot groups the original color and five complimentary colors.



85.6737, 0.2959, 0.3439



97.3768, 0.3074, 0.3333



86.5076, 0.3201, 0.3714



20.7666, 0.3067, 0.3340



0.0000, 0.0000, 0.0000



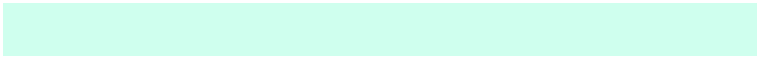
21.4041, 0.3127, 0.3290

Same Dimension

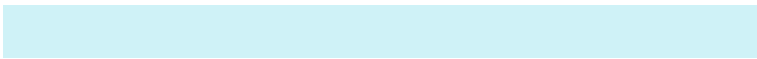
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6737, 0.2959, 0.3439



90.8940, 0.2930, 0.3468



83.2967, 0.2880, 0.3233



18.6533, 0.3027, 0.3374



36.5579, 0.2578, 0.4481



3.2325, 0.2532, 0.4314

Inverse Universe

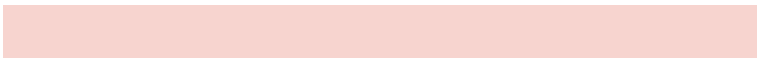
The Inverse Universe completely reimagines the original color for something new.



69.6550, 0.3331, 0.3146



71.0251, 0.3374, 0.3119



71.5632, 0.3426, 0.3346



16.5785, 0.3238, 0.3207



10.8430, 0.5576, 0.2845



0.9717, 0.5228, 0.2654

Previews

White Background



This preview shows how the Yxy color 85.6701, 0.2959, 0.3439 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 85.6701, 0.2959, 0.3439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

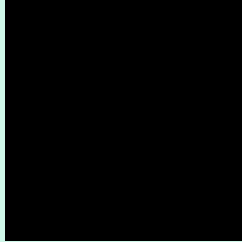
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

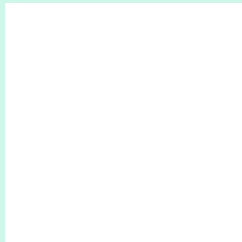
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6701, 0.2959, 0.3439

Background



This preview shows how black text looks on a background with the Yxy color 85.6701, 0.2959, 0.3439.

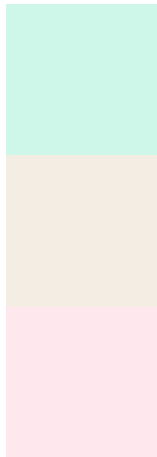


This preview shows how white text looks on a background with the Yxy color 85.6701, 0.2959, 0.3439.

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

85.6701, 0.2959, 0.3439

Protanopia

85.3475, 0.3237, 0.3391

Deuteranopia

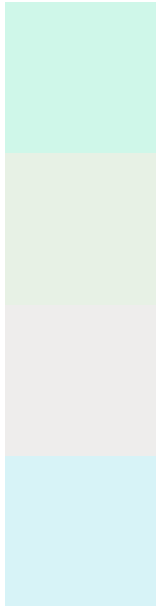
85.0877, 0.3252, 0.3241



Tritanopia

85.3462, 0.2913, 0.3146

Trichromacy



Original Color

85.6701, 0.2959, 0.3439

Protanomaly

85.5567, 0.3134, 0.3414

Deuteranomaly

84.8016, 0.3140, 0.3300

Tritanomaly

85.2637, 0.2928, 0.3248

Monochromacy



Original Color

85.6701, 0.2959, 0.3439

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.8796, 0.3066, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6701, 0.2959, 0.3439 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(207, 247, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 247, 233) }
```

Border

The CSS property to change the border of an element to Yxy 85.6701, 0.2959, 0.3439 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, 233) }
```

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

```
.border{ border-color:rgb(207, 247, 233) }
```

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, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 247, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 247, 233);  
box-shadow:4px 4px 4px 4px rgb(207, 247,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6701, 0.2959, 0.3439 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, 233) }
```

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

```
.background{ background-color: rgb(207,  
247, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor