

Converting Colors

$Y_{xy}(83.3230, 0.2915, 0.3346)$

Have a look what the booklet for
Yxy(83.3230, 0.2915, 0.3346)
contains.

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Color

Yxy(83.2534, 0.2918, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	CDF3EE
RGB	205, 243, 238
RGB Percent	80%, 95%, 93%
CMY	0.1959, 0.0471, 0.0667
CMYK	0.16, 0.00, 0.02, 0.05
HSL	172°, 61%, 88%
HSV	172°, 16%, 95%
XYZ	72.6693, 83.2534, 93.1153
YIQ	231.0680, -21.0430, -9.6110

Conversions

Conversions Part 2

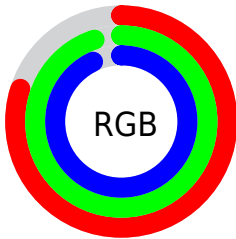
Format	Color
R _Y B	205, 225, 243
Decimal	13497326
CIE Lab	93.13, -13.17, -1.69
CIE LCh	93, 13.274, 187.320
Yxy	83.2534, 0.2918, 0.3343
Android (android.graphics.Color)	4291687406 (0xFFCDF3EE)
YUV	231.0680, 3.4175, -22.8616
Hunter-Lab	91.2433, -17.5123, 3.3639

Details

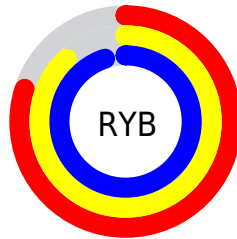
The Yxy color **83.2534, 0.2918, 0.3343** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3999, 0.3384, 0.3238**, and the grayscale version is **79.9586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4021, 0.2870, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **79.8772, 0.2794, 0.3381**, and if you desaturate by 10%, it is **87.1766, 0.3050, 0.3308**.

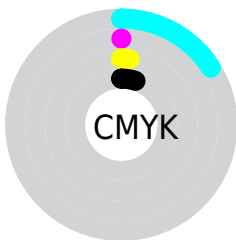
Distribution



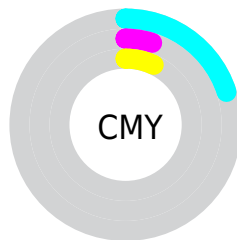
- Red (80%)
- Green (95%)
- Blue (93%)



- Red (80%)
- Yellow (88%)
- Blue (95%)



- Cyan (16%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (20%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2534, 0.2918, 0.3343 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 83.2534, 0.2918, 0.3343 by changing the saturation by 10% instead.


 83.2534, 0.2918,
0.3343

 83.2534, 0.2918,
0.3343

505.8306, 0.3012,
0.3320

 62.3992, 0.2897,
0.3348


137.9303, 0.2950,
0.3335

 45.3554, 0.2871,
0.3354

172.5218, 0.2963,
0.3332

 31.7374, 0.2840,
0.3362


212.4612, 0.2974,
0.3329

 21.1610, 0.2798,
0.3372

258.1330, 0.2983,
0.3327

 13.2417, 0.2744,
0.3385

309.9214, 0.2992,
0.3325

 7.5952, 0.2667,
0.3402

368.2108, 0.2999,

 3.8371, 0.2553,

0.3323

0.3427

433.3858, 0.3006,
0.3321

■ 1.5828, 0.2363,
0.3467

■ 0.3460, 0.0088,
0.4078

■ 83.2534, 0.2918,
0.3343

■ 83.2534, 0.2918,
0.3343

■ 79.8772, 0.2794,
0.3381

■ 87.1766, 0.3050,
0.3308

■ 77.0129, 0.2681,
0.3422


■ 91.6595, 0.3188,
0.3277


■ 74.6372, 0.2583,
0.3465


■ 92.1106, 0.3177,
0.3246

■ 72.7213, 0.2501,
0.3510

■ 92.3111, 0.3158,
0.3215


 71.2329, 0.2438,
0.3556


 92.5149, 0.3138,
0.3184

 70.1358, 0.2395,
0.3603

 92.5775, 0.3133,
0.3175

 69.3875, 0.2371,
0.3650

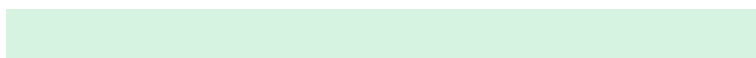
 68.9358, 0.2365,
0.3696

 68.7961, 0.2366,
0.3716

Harmonies

Analogous

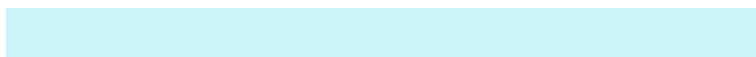
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2534, 0.3049, 0.3472



83.2534, 0.2918, 0.3343



83.2534, 0.2844, 0.3203

Triad

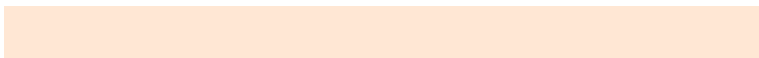
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2534, 0.2918, 0.3343



83.2534, 0.3047, 0.3046



83.2534, 0.3419, 0.3482

Complementary

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



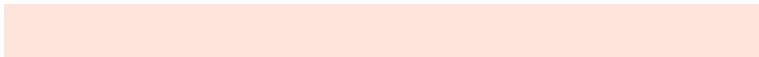
83.2534, 0.2918, 0.3343



67.3999, 0.3384, 0.3238

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.



83.2534, 0.3420, 0.3366



83.2534, 0.2918, 0.3343



83.2534, 0.3202, 0.3118

Square

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



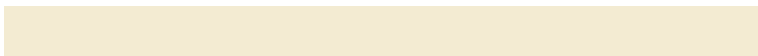
83.2534, 0.2918, 0.3343



83.2534, 0.2916, 0.3035



83.2534, 0.3339, 0.3234



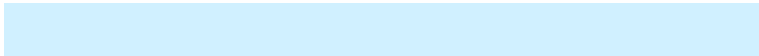
83.2534, 0.3339, 0.3551

Rectangle

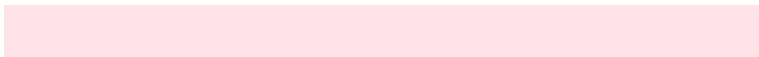
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



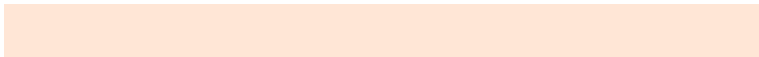
83.2534, 0.2918, 0.3343



83.2534, 0.2835, 0.3123



83.2534, 0.3339, 0.3234



83.2534, 0.3429, 0.3447

Sweetspot

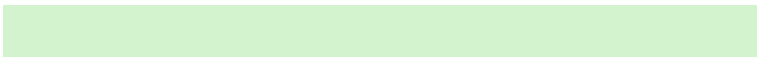
The Sweet Spot groups the original color and five complimentary colors.



83.2569, 0.2918, 0.3343



97.5536, 0.3058, 0.3306



82.2266, 0.3140, 0.3705



20.8096, 0.3049, 0.3309



0.0000, 0.0000, 0.0000



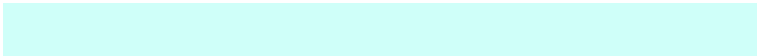
21.4041, 0.3127, 0.3290

Same Dimension

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



83.2569, 0.2918, 0.3343



91.5355, 0.2874, 0.3356



75.5428, 0.2884, 0.3139



18.7180, 0.2998, 0.3321



37.7745, 0.2364, 0.3709



3.3303, 0.2347, 0.3650

Inverse Universe

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



67.3999, 0.3384, 0.3238



70.4693, 0.3454, 0.3226



74.1100, 0.3399, 0.3437



16.5181, 0.3273, 0.3259



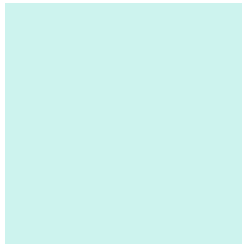
10.5263, 0.6231, 0.3206



0.9361, 0.5949, 0.3051

Previews

White Background



This preview shows how the Yxy color 83.2534, 0.2918, 0.3343 looks on a white background.

Color Contrast Check

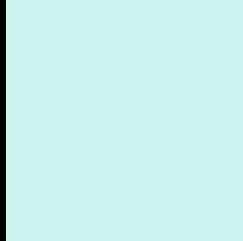
Large Text (above 18pt) WCAG AA × Fail

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 83.2534, 0.2918, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

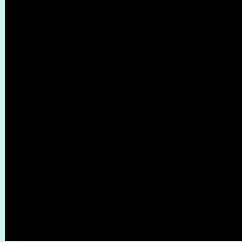
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

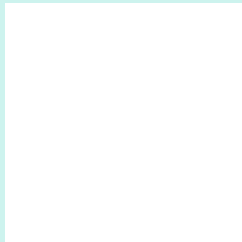
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2534, 0.2918, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 83.2534, 0.2918, 0.3343.

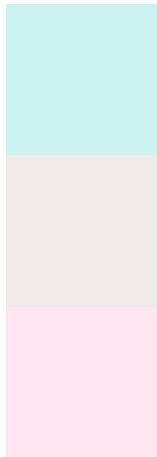


This preview shows how white text looks on a background with the Yxy color 83.2534, 0.2918, 0.3343.

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

83.2534, 0.2918, 0.3343

Protanopia

83.0796, 0.3167, 0.3300

Deuteranopia

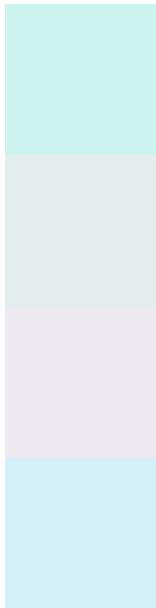
83.0977, 0.3230, 0.3163



Tritanopia

83.2491, 0.2876, 0.3123

Trichromacy



Original Color

83.2534, 0.2918, 0.3343

Protanomaly

82.8974, 0.3073, 0.3311

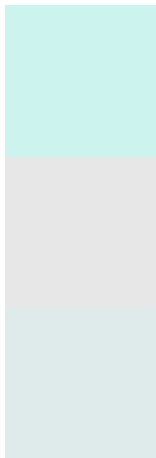
Deuteranomaly

82.5736, 0.3110, 0.3219

Tritanomaly

83.0086, 0.2891, 0.3195

Monochromacy



Original Color

83.2534, 0.2918, 0.3343

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.8868, 0.3047, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2534, 0.2918, 0.3343 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(205, 243, 238)` looks like.

```
.text, #text, p{  
    color:rgb(205, 243, 238)  
}
```

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(205, 243, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 243, 238) }
```

Border

The CSS property to change the border of an element to Yxy 83.2534, 0.2918, 0.3343 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(205, 243, 238) }
```

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

```
.border{ border-color:rgb(205, 243, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 243, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 243, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 243, 238);  
box-shadow:4px 4px 4px 4px rgb(205, 243,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2534, 0.2918, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 243, 238) }
```

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

```
.background{ background-color: rgb(205,  
243, 238) }
```

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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