

Converting Colors

$Y_{xy}(85.7810, 0.2947, 0.3326)$

Have a look what the booklet for
Yxy(85.7810, 0.2947, 0.3326)
contains.

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Color

Yxy(85.8018, 0.2950, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	D5F5F1
RGB	213, 245, 241
RGB Percent	84%, 96%, 95%
CMY	0.1644, 0.0393, 0.0548
CMYK	0.13, 0.00, 0.02, 0.04
HSL	173°, 61%, 90%
HSV	173°, 13%, 96%
XYZ	75.9878, 85.8018, 95.7961
YIQ	234.9760, -17.7880, -8.0280

Conversions

Conversions Part 2

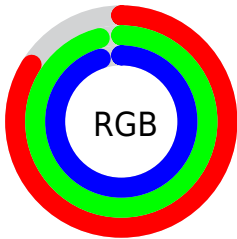
Format	Color
R _{YB}	213, 230, 245
Decimal	14022129
CIE Lab	94.23, -11.06, -1.60
CIE LCh	94, 11.176, 188.207
Yxy	85.8018, 0.2950, 0.3331
Android (android.graphics.Color)	4292212209 (0xFFD5F5F1)
YUV	234.9760, 2.9698, -19.2730
Hunter-Lab	92.6293, -15.6699, 3.5234

Details

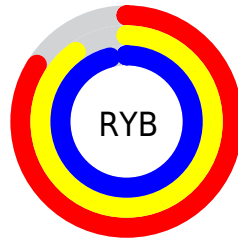
The Yxy color **85.8018, 0.2950, 0.3331** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.0445, 0.3337, 0.3250**, and the grayscale version is **83.0575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1671, 0.2910, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **82.2328, 0.2823, 0.3366**, and if you desaturate by 10%, it is **89.9344, 0.3085, 0.3299**.

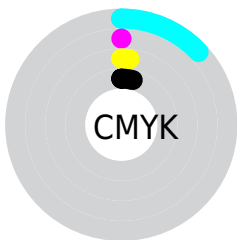
Distribution



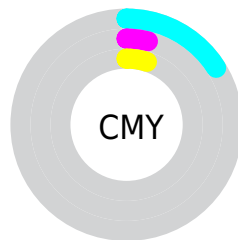
- Red (84%)
- Green (96%)
- Blue (95%)



- Red (84%)
- Yellow (90%)
- Blue (96%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)





- Cyan (16%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8018, 0.2950, 0.3331 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 85.8018, 0.2950, 0.3331 by changing the saturation by 10% instead.


 85.8018, 0.2950,
0.3331

 85.8018, 0.2950,
0.3331


514.2774, 0.3029,
0.3313

 64.5041, 0.2932,
0.3335


141.4929, 0.2977,
0.3325

 47.0591, 0.2911,
0.3340


176.6550, 0.2988,
0.3323

 33.0824, 0.2884,
0.3345


217.2074, 0.2997,
0.3320

 22.1895, 0.2850,
0.3353

263.5345, 0.3005,
0.3319

 13.9962, 0.2805,
0.3363

316.0207, 0.3012,
0.3317

 8.1181, 0.2742,
0.3376


375.0503, 0.3019,

 4.1706, 0.2648,


0.3316

441.0077, 0.3024,
0.3314


0.3395

 1.7694, 0.2494,
0.3424


 0.4680, 0.1383,
0.3703


 85.8018, 0.2950,
0.3331


 85.8018, 0.2950,
0.3331


 82.2328, 0.2823,
0.3366

 89.9344, 0.3085,
0.3299


 79.1919, 0.2706,
0.3403

 93.2782, 0.3179,
0.3270

 76.6561, 0.2603,
0.3443

 93.4674, 0.3161,
0.3241

 74.5965, 0.2516,
0.3485

 93.6597, 0.3143,
0.3212

■ 72.9811, 0.2447,
0.3528

■ 93.7763, 0.3132,
0.3194

■ 71.7742, 0.2398,
0.3572

■ 70.9344, 0.2369,
0.3616

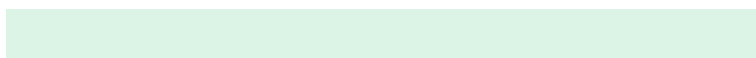
■ 70.4116, 0.2358,
0.3659

■ 70.1824, 0.2358,
0.3689

Harmonies

Analogous

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



85.8018, 0.3058, 0.3438



85.8018, 0.2950, 0.3331



85.8018, 0.2889, 0.3215

Triad

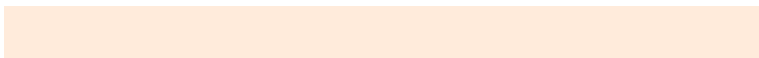
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8018, 0.2950, 0.3331



85.8018, 0.3064, 0.3087



85.8018, 0.3369, 0.3453

Complementary

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



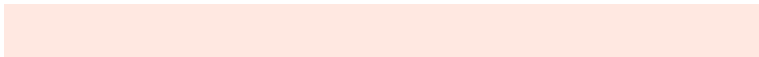
85.8018, 0.2950, 0.3331



72.0445, 0.3337, 0.3250

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.



85.8018, 0.3371, 0.3357



85.8018, 0.2950, 0.3331



85.8018, 0.3193, 0.3149

Square

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



85.8018, 0.2950, 0.3331



85.8018, 0.2954, 0.3077



85.8018, 0.3306, 0.3247



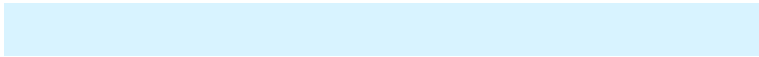
85.8018, 0.3301, 0.3508

Rectangle

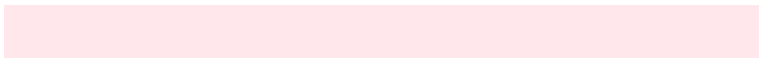
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



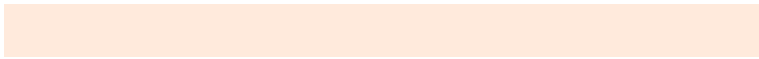
85.8018, 0.2950, 0.3331



85.8018, 0.2883, 0.3149



85.8018, 0.3306, 0.3247



85.8018, 0.3378, 0.3425

Sweetspot

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



85.8054, 0.2950, 0.3331



98.0353, 0.3072, 0.3302



84.9055, 0.3139, 0.3632



20.9069, 0.3061, 0.3304



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

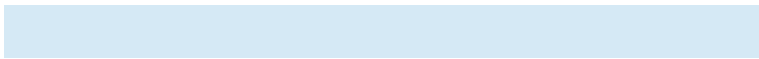
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8054, 0.2950, 0.3331



92.7446, 0.2911, 0.3341



79.1865, 0.2925, 0.3166



18.7204, 0.2997, 0.3319



37.8278, 0.2356, 0.3682



3.3344, 0.2341, 0.3627

Inverse Universe

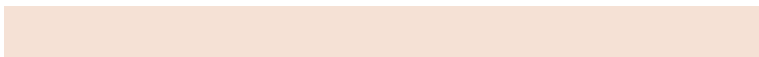
The Inverse Universe completely reimagines the original color for something new.



72.0445, 0.3337, 0.3250



74.5826, 0.3395, 0.3240



77.9449, 0.3350, 0.3411



16.5159, 0.3274, 0.3261



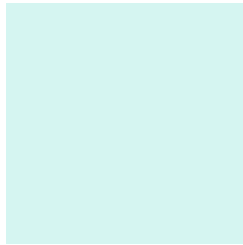
10.5201, 0.6246, 0.3214



0.9351, 0.5974, 0.3065

Previews

White Background



This preview shows how the Yxy color 85.8018, 0.2950, 0.3331 looks on a white background.

Color Contrast Check

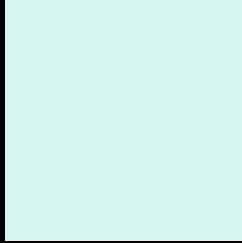
Large Text (above 18pt) WCAG AA × Fail

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 85.8018, 0.2950, 0.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

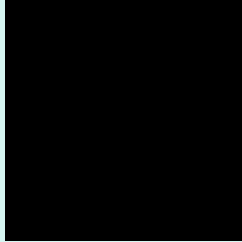
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

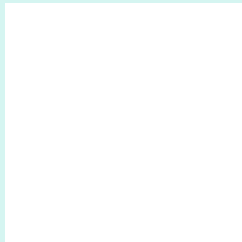
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8018, 0.2950, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 85.8018, 0.2950, 0.3331.

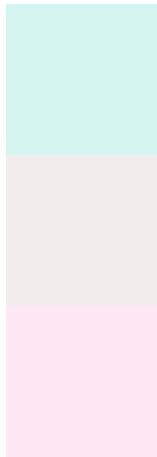


This preview shows how white text looks on a background with the Yxy color 85.8018, 0.2950, 0.3331.

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

85.8018, 0.2950, 0.3331

Protanopia

85.5017, 0.3167, 0.3300

Deuteranopia

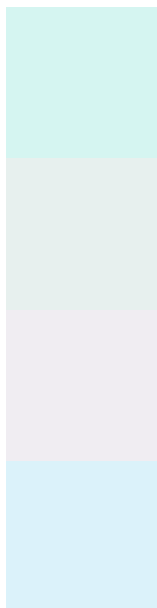
85.4443, 0.3214, 0.3183



Tritanopia

85.8186, 0.2931, 0.3147

Trichromacy



Original Color

85.8018, 0.2950, 0.3331

Protanomaly

85.4821, 0.3081, 0.3310

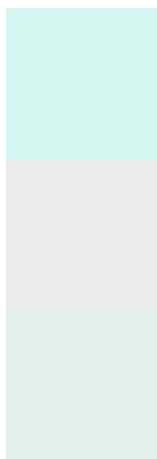
Deuteranomaly

85.5044, 0.3116, 0.3240

Tritanomaly

85.4665, 0.2935, 0.3207

Monochromacy



Original Color

85.8018, 0.2950, 0.3331

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.1783, 0.3061, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8018, 0.2950, 0.3331 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(213, 245, 241)` looks like.

```
.text, #text, p{  
    color:rgb(213, 245, 241)  
}
```

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(213, 245, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 245, 241) }
```

Border

The CSS property to change the border of an element to Yxy 85.8018, 0.2950, 0.3331 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(213, 245, 241) }
```

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

```
.border{ border-color:rgb(213, 245, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 245, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 245, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 245, 241);  
box-shadow:4px 4px 4px 4px rgb(213, 245,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8018, 0.2950, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 245, 241) }
```

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

```
.background{ background-color: rgb(213,  
245, 241) }
```

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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