

Converting Colors

Yxy(84.9443, 0.2913, 0.3208)

Have a look what the booklet for
Yxy(84.9443, 0.2913, 0.3208)
contains.

Yxy(84.8535, 0.2911, 0.3206)	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(84.8535, 0.2911, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	D7F2FA
RGB	215, 242, 250
RGB Percent	84%, 95%, 98%
CMY	0.1566, 0.0510, 0.0195
CMYK	0.14, 0.03, 0.00, 0.02
HSL	194°, 78%, 91%
HSV	194°, 14%, 98%
XYZ	77.0457, 84.8535, 102.7717
YIQ	234.8390, -18.6600, -3.2360

Conversions

Conversions Part 2

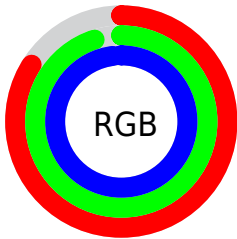
Format	Color
R _Y B	215, 230, 250
Decimal	14152442
CIE Lab	93.82, -7.16, -6.84
CIE LCh	94, 9.903, 223.693
Yxy	84.8535, 0.2911, 0.3206
Android (android.graphics.Color)	4292342522 (0xFFD7F2FA)
YUV	234.8390, 7.4744, -17.3988
Hunter-Lab	92.1160, -11.9057, -1.6674

Details

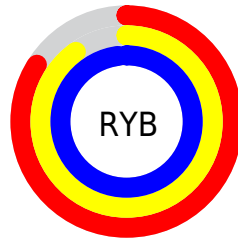
The Yxy color **84.8535, 0.2911, 0.3206** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.0565, 0.3375, 0.3373**, and the grayscale version is **82.9113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4864, 0.2861, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **77.9921, 0.2760, 0.3139**, and if you desaturate by 10%, it is **92.4076, 0.3065, 0.3267**.

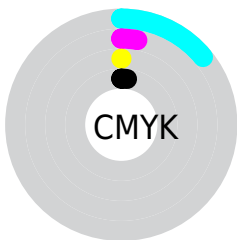
Distribution



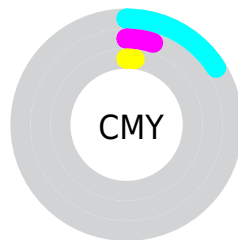
- Red (84%)
- Green (95%)
- Blue (98%)



- Red (84%)
- Yellow (90%)
- Blue (98%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8535, 0.2911, 0.3206 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 84.8535, 0.2911, 0.3206 by changing the saturation by 10% instead.

84.8535, 0.2911,
0.3206

84.8535, 0.2911,
0.3206

511.1432, 0.3008,
0.3245

63.7203, 0.2890,
0.3197

140.1685, 0.2944,
0.3219

46.4242, 0.2864,
0.3186

175.1191, 0.2957,
0.3225

32.5807, 0.2831,
0.3173

215.4443, 0.2968,
0.3229

21.8054, 0.2790,
0.3155

261.5285, 0.2978,
0.3233

13.7140, 0.2735,
0.3131

313.7561, 0.2987,
0.3236

7.9220, 0.2659,
0.3097

372.5115, 0.2995,

4.0451, 0.2547,

0.3240

0.3045

438.1790, 0.3001,
0.3242

1.6988, 0.2365,
0.2955

0.4229, 0.1430,
0.2662

84.8535, 0.2911,
0.3206

84.8535, 0.2911,
0.3206

77.9921, 0.2760,
0.3139

92.4076, 0.3065,
0.3267

71.7857, 0.2615,
0.3067

98.7109, 0.3157,
0.3323

66.2087, 0.2481,
0.2989

99.6831, 0.3156,
0.3338

61.2293, 0.2359,
0.2908

■ 56.8129, 0.2254,
0.2824

■ 52.9202, 0.2167,
0.2738

■ 49.5060, 0.2101,
0.2652

■ 46.5153, 0.2054,
0.2567

■ 44.8721, 0.2032,
0.2516

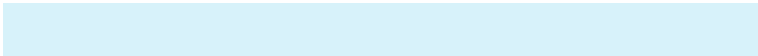
Harmonies

Analogous

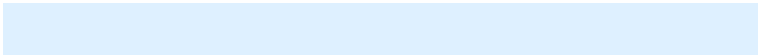
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8535, 0.2956, 0.3307



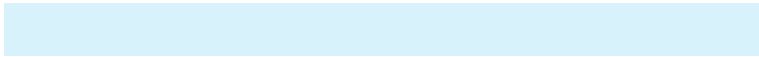
84.8535, 0.2911, 0.3206



84.8535, 0.2923, 0.3130

Triad

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



84.8535, 0.2911, 0.3206



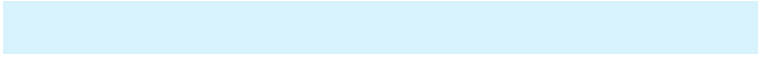
84.8535, 0.3206, 0.3178



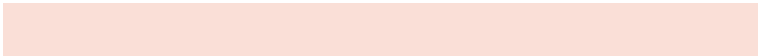
84.8535, 0.3266, 0.3487

Complementary

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



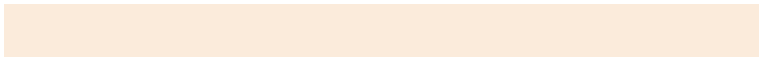
84.8535, 0.2911, 0.3206



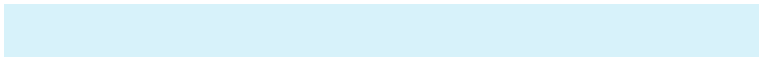
78.0565, 0.3375, 0.3373

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.



84.8535, 0.3335, 0.3448



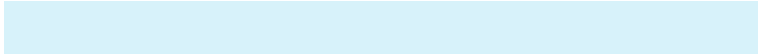
84.8535, 0.2911, 0.3206



84.8535, 0.3301, 0.3270

Square

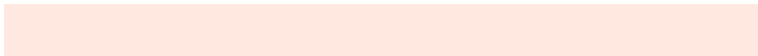
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8535, 0.2911, 0.3206



84.8535, 0.3092, 0.3116



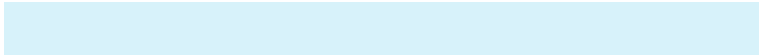
84.8535, 0.3348, 0.3368



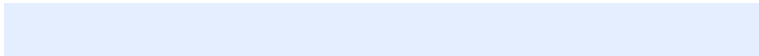
84.8535, 0.3159, 0.3473

Rectangle

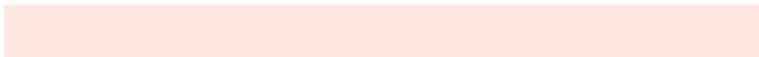
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



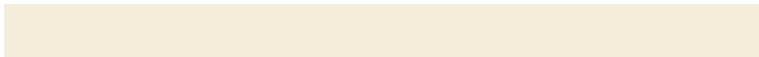
84.8535, 0.2911, 0.3206



84.8535, 0.2961, 0.3103



84.8535, 0.3348, 0.3368



84.8535, 0.3294, 0.3480

Sweetspot

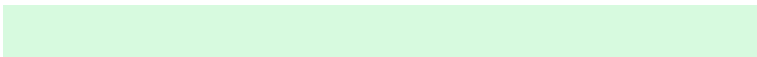
The Sweet Spot groups the original color and five complimentary colors.



84.8570, 0.2911, 0.3206



96.6314, 0.3065, 0.3267



88.1448, 0.3066, 0.3580



20.5504, 0.3053, 0.3263



0.0000, 0.0000, 0.0000



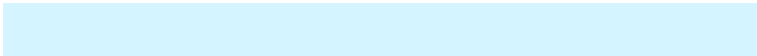
21.4041, 0.3127, 0.3290

Same Dimension

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



84.8570, 0.2911, 0.3206



86.4983, 0.2865, 0.3186



75.1892, 0.2905, 0.3025



18.8931, 0.2980, 0.3234



24.0267, 0.2036, 0.2530



2.3840, 0.2064, 0.2632

Inverse Universe

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



75.3675, 0.3198, 0.3021



74.7676, 0.3215, 0.2961



87.6218, 0.3351, 0.3542



17.4524, 0.3173, 0.3109



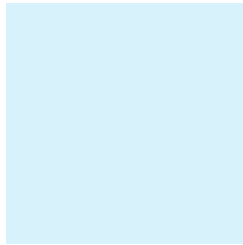
12.8364, 0.3892, 0.1918



1.2049, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 84.8535, 0.2911, 0.3206 looks on a white background.

Color Contrast Check

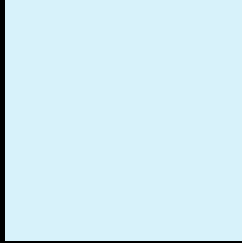
Large Text (above 18pt) WCAG AA × Fail

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 84.8535, 0.2911, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

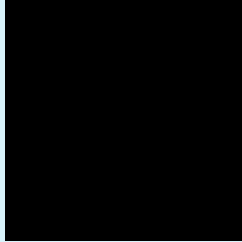
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

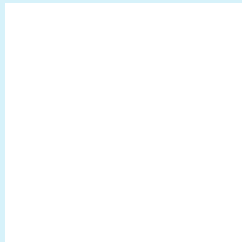
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8535, 0.2911, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 84.8535, 0.2911, 0.3206.

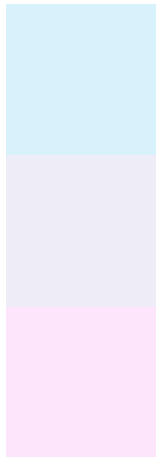


This preview shows how white text looks on a background with the Yxy color 84.8535, 0.2911, 0.3206.

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

84.8535, 0.2911, 0.3206

Protanopia

84.8219, 0.3079, 0.3189

Deuteranopia

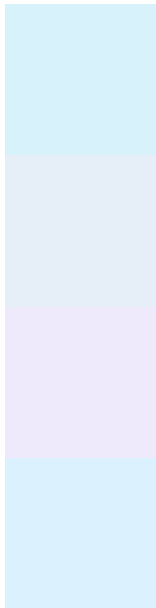
84.5046, 0.3144, 0.3076



Tritanopia

84.9123, 0.2919, 0.3136

Trichromacy



Original Color

84.8535, 0.2911, 0.3206

Protanomaly

84.6875, 0.3021, 0.3198

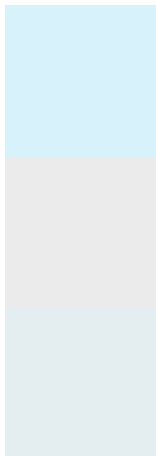
Deuteranomaly

84.1614, 0.3056, 0.3120

Tritanomaly

85.0625, 0.2918, 0.3166

Monochromacy



Original Color

84.8535, 0.2911, 0.3206

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9343, 0.3050, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8535, 0.2911, 0.3206 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(215, 242, 250)` looks like.

```
.text, #text, p{  
    color:rgb(215, 242, 250)  
}
```

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(215, 242, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 242, 250) }
```

Border

The CSS property to change the border of an element to Yxy 84.8535, 0.2911, 0.3206 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(215, 242, 250) }
```

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

```
.border{ border-color:rgb(215, 242, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 242, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 242, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 242, 250);  
box-shadow:4px 4px 4px 4px rgb(215, 242,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8535, 0.2911, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 242, 250) }
```

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

```
.background{ background-color: rgb(215,  
242, 250) }
```

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