

Converting Colors

$Yxy(83.2186, 0.2884, 0.3257)$

Have a look what the booklet for
Yxy(83.2186, 0.2884, 0.3257)
contains.

Yxy(83.2186, 0.2884, 0.3257)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.2186, 0.2884, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	CEF2F5
RGB	206, 242, 245
RGB Percent	81%, 95%, 96%
CMY	0.1922, 0.0510, 0.0390
CMYK	0.16, 0.01, 0.00, 0.04
HSL	185°, 66%, 88%
HSV	185°, 16%, 96%
XYZ	73.6882, 83.2186, 98.6001
YIQ	231.5780, -22.4190, -6.6990

Conversions

Conversions Part 2

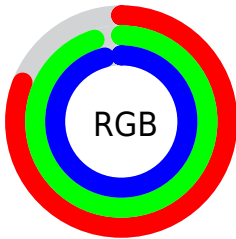
Format	Color
R _Y B	206, 225, 245
Decimal	13562613
CIE Lab	93.11, -10.97, -5.37
CIE LCh	93, 12.219, 206.091
Yxy	83.2186, 0.2884, 0.3257
Android (android.graphics.Color)	4291752693 (0xFFCEF2F5)
YUV	231.5780, 6.6170, -22.4319
Hunter-Lab	91.2242, -15.4555, -0.2269

Details

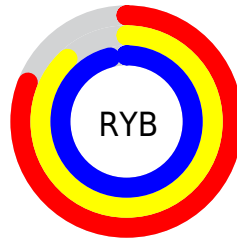
The Yxy color **83.2186, 0.2884, 0.3257** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.4874, 0.3425, 0.3323**, and the grayscale version is **80.3279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3712, 0.2828, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **78.8551, 0.2742, 0.3234**, and if you desaturate by 10%, it is **88.1475, 0.3035, 0.3278**.

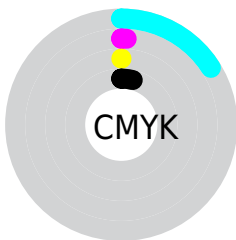
Distribution



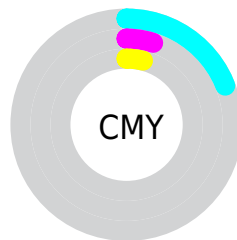
- Red (81%)
- Green (95%)
- Blue (96%)



- Red (81%)
- Yellow (88%)
- Blue (96%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)



- Cyan (19%)
- Magenta (5%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2186, 0.2884, 0.3257 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 83.2186, 0.2884, 0.3257 by changing the saturation by 10% instead.

83.2186, 0.2884,
0.3257

83.2186, 0.2884,
0.3257

505.7148, 0.2993,
0.3273

62.3705, 0.2860,
0.3253

137.8816, 0.2921,
0.3263

45.3321, 0.2830,
0.3248

172.4653, 0.2936,
0.3265

31.7191, 0.2794,
0.3242

212.3963, 0.2949,
0.3267

21.1471, 0.2746,
0.3234

258.0590, 0.2960,
0.3268

13.2315, 0.2684,
0.3222

309.8378, 0.2970,
0.3270

7.5882, 0.2597,
0.3205

368.1171, 0.2978,

3.8326, 0.2468,

0.3271

0.3178

433.2813, 0.2986,
0.3272

■ 1.5804, 0.2257,
0.3125

■ 0.3443, 0.0514,
0.2983

■ 83.2186, 0.2884,
0.3257

■ 83.2186, 0.2884,
0.3257

■ 78.8551, 0.2742,
0.3234

■ 88.1475, 0.3035,
0.3278

■ 75.0215, 0.2611,
0.3210

■ 93.6552, 0.3191,
0.3298

■ 71.6938, 0.2494,
0.3184

■ 94.8218, 0.3190,
0.3316

■ 68.8423, 0.2394,
0.3158

■ 95.9986, 0.3188,
0.3334

■ 66.4342, 0.2313,
0.3131

■ 97.1874, 0.3187,
0.3353

■ 64.4320, 0.2252,
0.3104

■ 98.3882, 0.3186,
0.3371

■ 62.7924, 0.2210,
0.3077

■ 99.3753, 0.3185,
0.3385

■ 61.4614, 0.2185,
0.3051

■ 60.9754, 0.2178,
0.3041

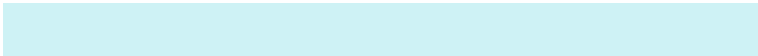
Harmonies

Analogous

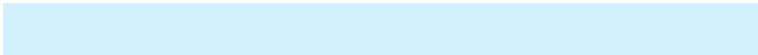
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2186, 0.2975, 0.3387



83.2186, 0.2884, 0.3257



83.2186, 0.2857, 0.3140

Triad

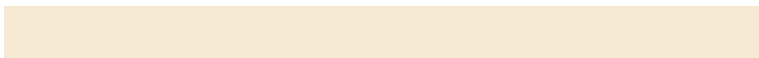
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2186, 0.2884, 0.3257



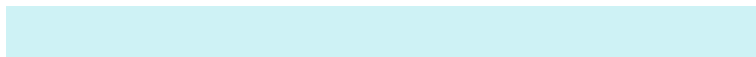
83.2186, 0.3142, 0.3101



83.2186, 0.3357, 0.3514

Complementary

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



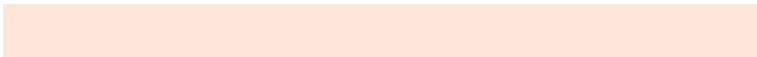
83.2186, 0.2884, 0.3257



69.4874, 0.3425, 0.3323

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.



83.2186, 0.3405, 0.3431



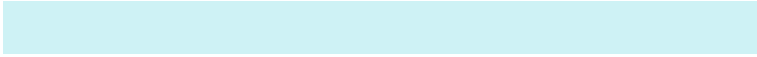
83.2186, 0.2884, 0.3257



83.2186, 0.3279, 0.3195

Square

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



83.2186, 0.2884, 0.3257



83.2186, 0.3004, 0.3054



83.2186, 0.3376, 0.3315



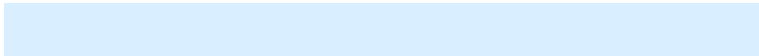
83.2186, 0.3248, 0.3537

Rectangle

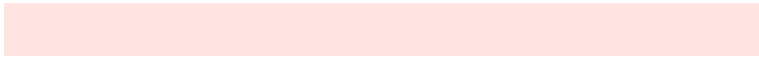
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



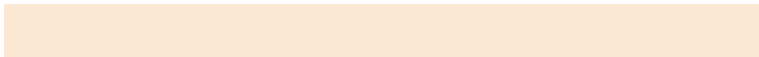
83.2186, 0.2884, 0.3257



83.2186, 0.2878, 0.3086



83.2186, 0.3376, 0.3315



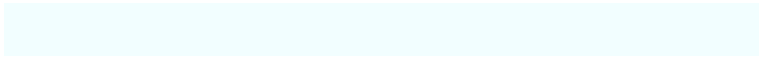
83.2186, 0.3381, 0.3492

Sweetspot

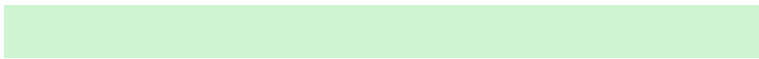
The Sweet Spot groups the original color and five complimentary colors.



83.2220, 0.2884, 0.3257



97.0301, 0.3049, 0.3280



83.0344, 0.3092, 0.3690



20.6819, 0.3038, 0.3279



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.



83.2220, 0.2884, 0.3257



89.5587, 0.2839, 0.3250



72.4414, 0.2875, 0.3050



18.5241, 0.2981, 0.3271



32.9290, 0.2179, 0.3045



2.9585, 0.2188, 0.3078

Inverse Universe

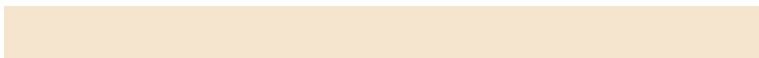
The Inverse Universe completely reimagines the original color for something new.



69.9655, 0.3167, 0.2924



72.6474, 0.3175, 0.2852



79.4275, 0.3393, 0.3519



16.7447, 0.3150, 0.3075



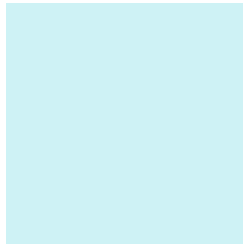
13.4236, 0.3415, 0.1655



1.1863, 0.3386, 0.1639

Previews

White Background



This preview shows how the Yxy color 83.2186, 0.2884, 0.3257 looks on a white background.

Color Contrast Check

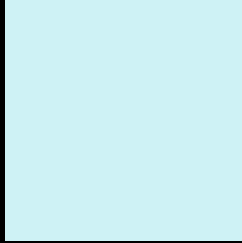
Large Text (above 18pt) WCAG AA × Fail

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 83.2186, 0.2884, 0.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

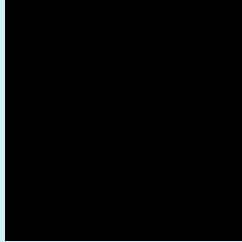
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2186, 0.2884, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 83.2186, 0.2884, 0.3257.

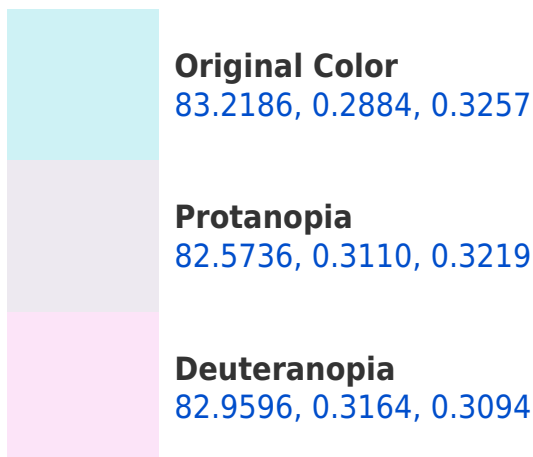


This preview shows how white text looks on a background with the Yxy color 83.2186, 0.2884, 0.3257.

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

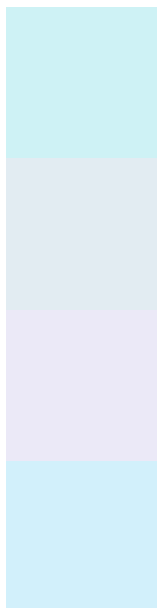




Tritanopia

83.0991, 0.2870, 0.3123

Trichromacy



Original Color

83.2186, 0.2884, 0.3257

Protanomaly

82.5705, 0.3025, 0.3228

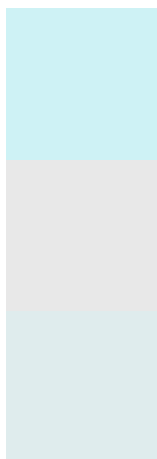
Deuteranomaly

82.6554, 0.3054, 0.3148

Tritanomaly

82.9868, 0.2874, 0.3174

Monochromacy



Original Color

83.2186, 0.2884, 0.3257

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.7933, 0.3036, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2186, 0.2884, 0.3257 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(206, 242, 245)` looks like.

```
.text, #text, p{  
    color:rgb(206, 242, 245)  
}
```

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(206, 242, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 242, 245) }
```

Border

The CSS property to change the border of an element to Yxy 83.2186, 0.2884, 0.3257 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(206, 242, 245) }
```

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

```
.border{ border-color:rgb(206, 242, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 242, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 242, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 242, 245);  
box-shadow:4px 4px 4px 4px rgb(206, 242,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2186, 0.2884, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 242, 245) }
```

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

```
.background{ background-color: rgb(206,  
242, 245) }
```

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