

Converting Colors

$Yxy(88.7247, 0.2860, 0.3160)$

Have a look what the booklet for
Yxy(88.7247, 0.2860, 0.3160)
contains.

Yxy(88.1886, 0.2885, 0.3207)	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(88.1886, 0.2885, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	D7F7FF
RGB	215, 247, 255
RGB Percent	84%, 97%, 100%
CMY	0.1569, 0.0313, 0.0000
CMYK	0.16, 0.03, 0.00, 0.00
HSL	192°, 100%, 92%
HSV	192°, 16%, 100%
XYZ	79.3340, 88.1886, 107.4652
YIQ	238.3440, -21.6400, -4.2960

Conversions

Conversions Part 2

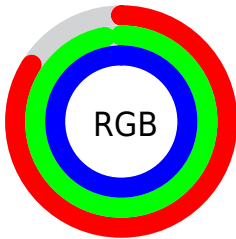
Format	Color
R_{YB}	215, 233, 255
Decimal	14153727
CIE _{Lab}	95.24, -8.71, -7.33
CIE _{LCh}	95, 11.389, 220.092
Yxy	88.1886, 0.2885, 0.3207
Android (android.graphics.Color)	4292343807 (0xFFD7F7FF)
YUV	238.3440, 8.2114, -20.4727
Hunter-Lab	93.9088, -13.5439, -2.1128

Details

The Yxy color **88.1886, 0.2885, 0.3207** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.9294, 0.3412, 0.3371**, and the grayscale version is **85.7274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8124, 0.2837, 0.3197** is the 20% darker color. If you saturate the color by 10%, you get **81.5539, 0.2736, 0.3148**, and if you desaturate by 10%, it is **95.5145, 0.3039, 0.3261**.

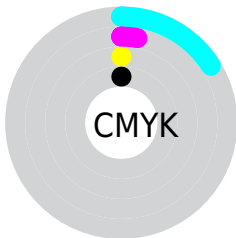
Distribution



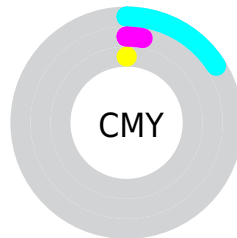
- Red (84%)
- Green (97%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.1886, 0.2885, 0.3207 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 88.1886, 0.2885, 0.3207 by changing the saturation by 10% instead.

88.1886, 0.2885,
0.3207

88.1886, 0.2885,
0.3207

522.1207, 0.2992,
0.3245

66.4793, 0.2861,
0.3198

144.8197, 0.2921,
0.3220

48.6616, 0.2833,
0.3188

180.5103, 0.2936,
0.3225

34.3511, 0.2797,
0.3174

221.6300, 0.2948,
0.3230

23.1634, 0.2752,
0.3157

268.5634, 0.2959,
0.3234

14.7142, 0.2693,
0.3134

321.6947, 0.2969,
0.3237

8.6191, 0.2612,
0.3100

381.4085, 0.2978,

4.4936, 0.2493,

0.3240

0.3050

448.0890, 0.2985,
0.3243

■ 1.9533, 0.2304,
0.2963

■ 0.5801, 0.1633,
0.2796

■ 88.1886, 0.2885,
0.3207

■ 88.1886, 0.2885,
0.3207

■ 81.5539, 0.2736,
0.3148

■ 95.5145, 0.3039,
0.3261

■ 75.5753, 0.2595,
0.3085

100.0000, 0.3127,
0.3290

■ 70.2242, 0.2466,
0.3017

■ 65.4674, 0.2351,
0.2947

■ 61.2679, 0.2253,
0.2874

■ 57.5842, 0.2174,
0.2800

■ 54.3677, 0.2115,
0.2726

■ 51.5584, 0.2075,
0.2653

■ 50.4364, 0.2062,
0.2622

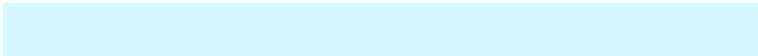
Harmonies

Analogous

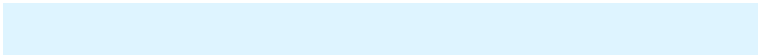
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1886, 0.2943, 0.3324



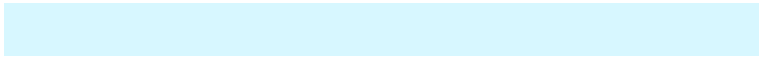
88.1886, 0.2885, 0.3207



88.1886, 0.2890, 0.3116

Triad

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



88.1886, 0.2885, 0.3207



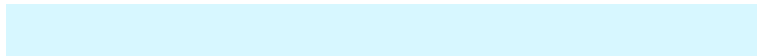
88.1886, 0.3202, 0.3153



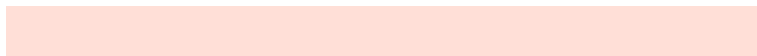
88.1886, 0.3296, 0.3512

Complementary

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



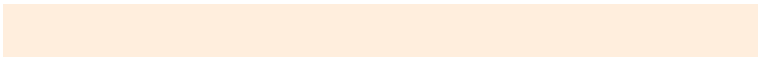
88.1886, 0.2885, 0.3207



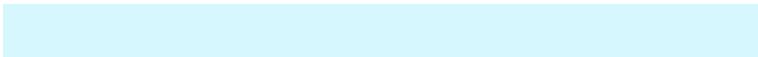
78.9294, 0.3412, 0.3371

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.



88.1886, 0.3369, 0.3460



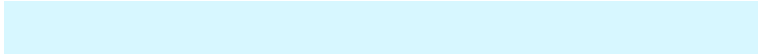
88.1886, 0.2885, 0.3207



88.1886, 0.3314, 0.3253

Square

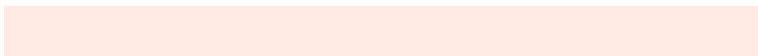
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



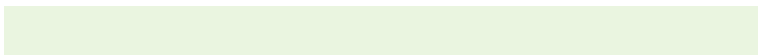
88.1886, 0.2885, 0.3207



88.1886, 0.3071, 0.3088



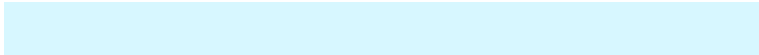
88.1886, 0.3376, 0.3365



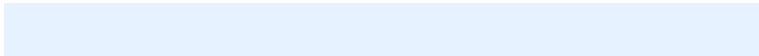
88.1886, 0.3179, 0.3503

Rectangle

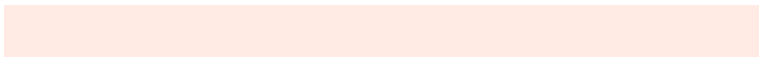
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.1886, 0.2885, 0.3207



88.1886, 0.2929, 0.3082



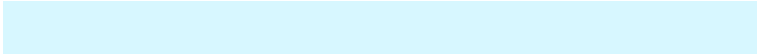
88.1886, 0.3376, 0.3365



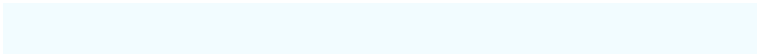
88.1886, 0.3327, 0.3501

Sweetspot

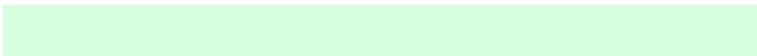
The Sweet Spot groups the original color and five complimentary colors.



88.1909, 0.2885, 0.3207



96.0473, 0.3049, 0.3265



91.2561, 0.3066, 0.3633



20.4423, 0.3039, 0.3261



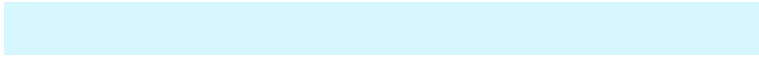
0.0000, 0.0000, 0.0000



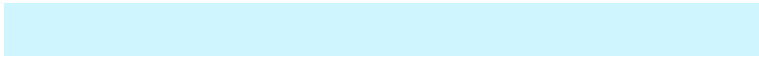
21.4041, 0.3127, 0.3290

Same Dimension

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



88.1909, 0.2885, 0.3207



85.9206, 0.2835, 0.3188



76.9631, 0.2877, 0.3003



19.8287, 0.2980, 0.3241



26.5709, 0.2065, 0.2634



2.7364, 0.2088, 0.2717

Inverse Universe

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



76.5694, 0.3199, 0.2975



72.2802, 0.3217, 0.2907



89.8657, 0.3382, 0.3561



18.2345, 0.3169, 0.3102



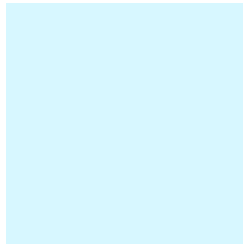
13.4103, 0.3791, 0.1862



1.3208, 0.3712, 0.1818

Previews

White Background



This preview shows how the Yxy color 88.1886, 0.2885, 0.3207 looks on a white background.

Color Contrast Check

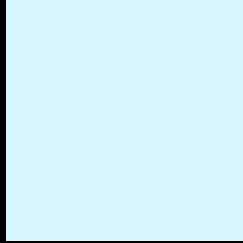
Large Text (above 18pt) WCAG AA × Fail

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 88.1886, 0.2885, 0.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

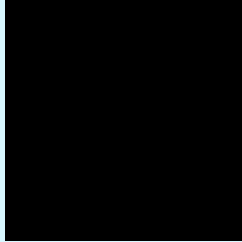
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

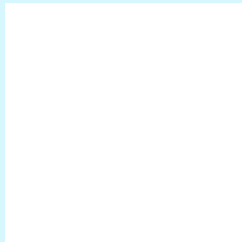
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.1886, 0.2885, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 88.1886, 0.2885, 0.3207.

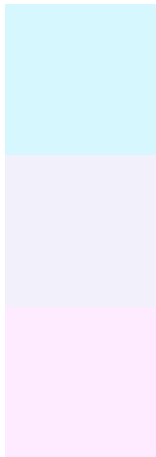


This preview shows how white text looks on a background with the Yxy color 88.1886, 0.2885, 0.3207.

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

88.1886, 0.2885, 0.3207

Protanopia

88.1625, 0.3074, 0.3181

Deuteranopia

87.7075, 0.3130, 0.3097



Tritanopia

88.4153, 0.2962, 0.3179

Trichromacy



Original Color

88.1886, 0.2885, 0.3207

Protanomaly

88.2853, 0.3004, 0.3199

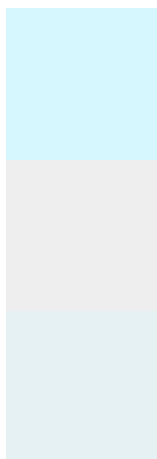
Deuteranomaly

87.4783, 0.3037, 0.3131

Tritanomaly

88.2128, 0.2932, 0.3188

Monochromacy



Original Color

88.1886, 0.2885, 0.3207

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.2652, 0.3038, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.1886, 0.2885, 0.3207 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 247, 255)  
}
```

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, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 88.1886, 0.2885, 0.3207 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, 247, 255) }
```

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

```
.border{ border-color:rgb(215, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 88.1886, 0.2885, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 247, 255) }
```

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

```
.background{ background-color: rgb(215,  
247, 255) }
```

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