

Converting Colors

$Yxy(86.7719, 0.2902, 0.3293)$

Have a look what the booklet for
Yxy(86.7719, 0.2902, 0.3293)
contains.

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Color

Yxy(86.8770, 0.2905, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	D2F7F6
RGB	210, 247, 246
RGB Percent	82%, 97%, 96%
CMY	0.1763, 0.0314, 0.0354
CMYK	0.15, 0.00, 0.00, 0.03
HSL	178°, 70%, 90%
HSV	178°, 15%, 97%
XYZ	76.4781, 86.8770, 99.9085
YIQ	235.8230, -21.7310, -8.1550

Conversions

Conversions Part 2

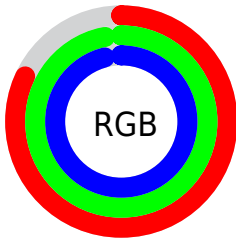
Format	Color
R _Y B	210, 229, 247
Decimal	13826038
CIE Lab	94.69, -12.04, -3.51
CIE LCh	95, 12.542, 196.246
Yxy	86.8770, 0.2905, 0.3300
Android (android.graphics.Color)	4292016118 (0xFFD2F7F6)
YUV	235.8230, 5.0173, -22.6468
Hunter-Lab	93.2078, -16.6524, 1.6931

Details

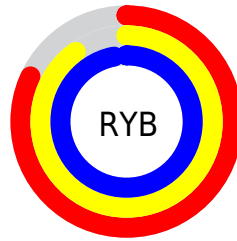
The Yxy color **86.8770, 0.2905, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.5912, 0.3400, 0.3280**, and the grayscale version is **83.7175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9479, 0.2855, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **83.4880, 0.2768, 0.3307**, and if you desaturate by 10%, it is **90.8329, 0.3052, 0.3293**.

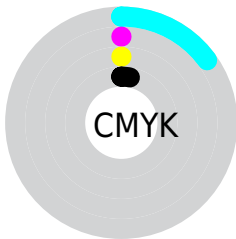
Distribution



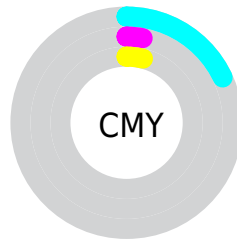
- Red (82%)
- Green (97%)
- Blue (96%)



- Red (82%)
- Yellow (90%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (18%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8770, 0.2905, 0.3300 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 86.8770, 0.2905, 0.3300 by changing the saturation by 10% instead.


 86.8770, 0.2905,
0.3300

 86.8770, 0.2905,
0.3300

517.8186, 0.3004,
0.3296

 65.3934, 0.2883,
0.3301

142.9927, 0.2939,
0.3299

 47.7802, 0.2857,
0.3301


178.3936, 0.2952,
0.3298

 33.6528, 0.2824,
0.3302


219.2024, 0.2964,
0.3298

 22.6270, 0.2781,
0.3303

265.8035, 0.2974,
0.3298

 14.3183, 0.2726,
0.3303

318.5812, 0.2983,
0.3297

 8.3424, 0.2649,
0.3303


377.9201, 0.2991,


 4.3148, 0.2535,

0.3297

0.3302


444.2044, 0.2998,
0.3297


 1.8512, 0.2353,
0.3296


 0.5188, 0.1303,
0.3395


 86.8770, 0.2905,
0.3300


 86.8770, 0.2905,
0.3300


 83.4880, 0.2768,
0.3307


 90.8329, 0.3052,
0.3293


 80.6295, 0.2644,
0.3315


 94.5177, 0.3176,
0.3287


 78.2776, 0.2536,
0.3324


 94.5599, 0.3172,
0.3280

 76.4022, 0.2445,
0.3333


 94.6023, 0.3168,
0.3274

 74.9702, 0.2374,
0.3342


 94.6449, 0.3164,
0.3267

 73.9440, 0.2322,
0.3351


 94.6876, 0.3160,
0.3261


 73.2801, 0.2290,
0.3360

 94.7305, 0.3156,
0.3254

 72.9249, 0.2274,
0.3369

 94.7735, 0.3152,
0.3248

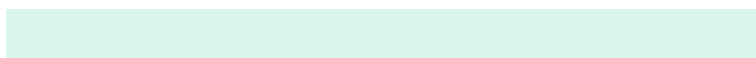
 72.8231, 0.2270,
0.3373

 94.8167, 0.3148,
0.3241

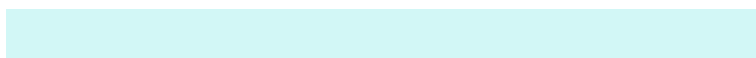
Harmonies

Analogous

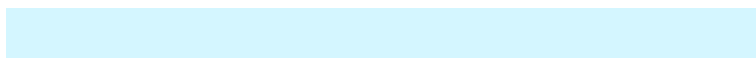
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8770, 0.3014, 0.3427



86.8770, 0.2905, 0.3300



86.8770, 0.2855, 0.3174

Triad

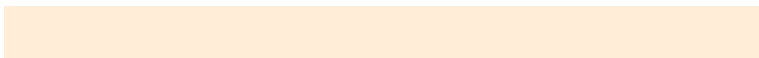
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8770, 0.2905, 0.3300



86.8770, 0.3094, 0.3077



86.8770, 0.3384, 0.3494

Complementary

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



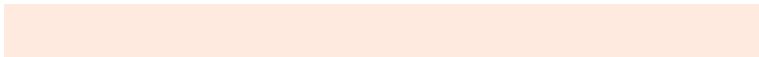
86.8770, 0.2905, 0.3300



70.5912, 0.3400, 0.3280

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.



86.8770, 0.3408, 0.3396



86.8770, 0.2905, 0.3300



86.8770, 0.3238, 0.3159

Square

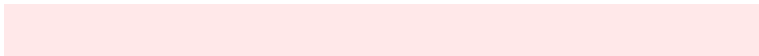
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8770, 0.2905, 0.3300



86.8770, 0.2962, 0.3049



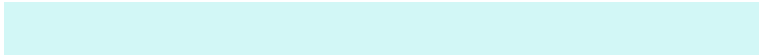
86.8770, 0.3354, 0.3274



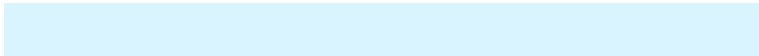
86.8770, 0.3291, 0.3540

Rectangle

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



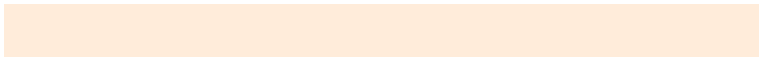
86.8770, 0.2905, 0.3300



86.8770, 0.2861, 0.3108



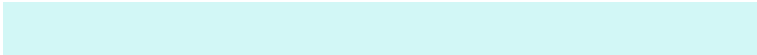
86.8770, 0.3354, 0.3274



86.8770, 0.3400, 0.3466

Sweetspot

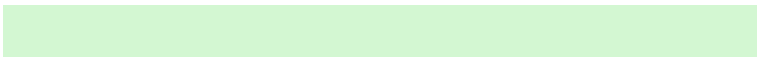
The Sweet Spot groups the original color and five complimentary colors.



86.8806, 0.2905, 0.3300



98.0984, 0.3066, 0.3293



85.0646, 0.3116, 0.3690



20.9230, 0.3055, 0.3293



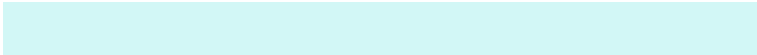
0.0000, 0.0000, 0.0000



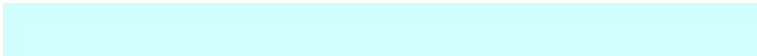
21.4041, 0.3127, 0.3290

Same Dimension

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



86.8806, 0.2905, 0.3300



92.2286, 0.2862, 0.3302



76.8769, 0.2893, 0.3106



18.7495, 0.2984, 0.3296



38.5177, 0.2270, 0.3372



3.3878, 0.2267, 0.3360

Inverse Universe

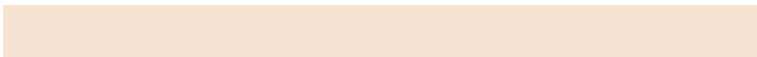
The Inverse Universe completely reimagines the original color for something new.



70.5912, 0.3400, 0.3280



71.5815, 0.3469, 0.3278



79.5236, 0.3381, 0.3468



16.4899, 0.3289, 0.3284



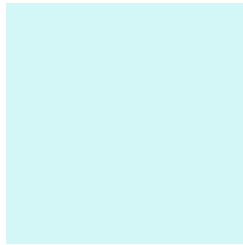
10.4692, 0.6372, 0.3284



0.9227, 0.6299, 0.3244

Previews

White Background



This preview shows how the Yxy color 86.8770, 0.2905, 0.3300 looks on a white background.

Color Contrast Check

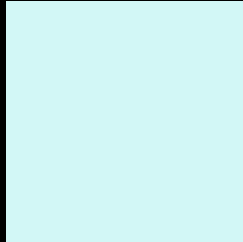
Large Text (above 18pt) WCAG AA × Fail

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 86.8770, 0.2905, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

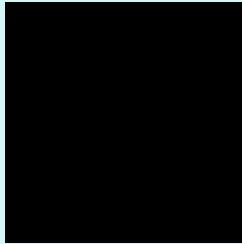
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

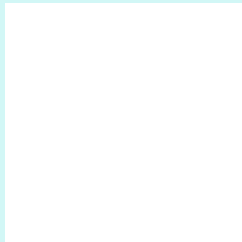
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8770, 0.2905, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 86.8770, 0.2905, 0.3300.

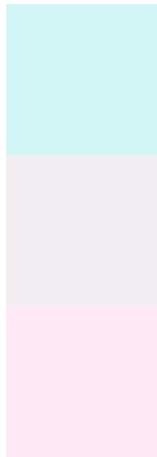


This preview shows how white text looks on a background with the Yxy color 86.8770, 0.2905, 0.3300.

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

86.8770, 0.2905, 0.3300

Protanopia

86.5546, 0.3142, 0.3260

Deuteranopia

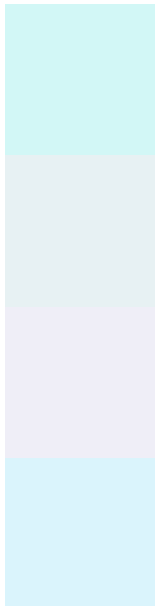
86.2532, 0.3187, 0.3154



Tritanopia

86.4122, 0.2931, 0.3157

Trichromacy



Original Color

86.8770, 0.2905, 0.3300

Protanomaly

86.3706, 0.3051, 0.3269

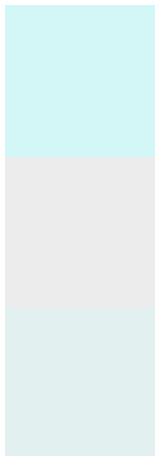
Deuteranomaly

86.2152, 0.3079, 0.3200

Tritanomaly

86.6351, 0.2918, 0.3207

Monochromacy



Original Color

86.8770, 0.2905, 0.3300

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.9423, 0.3043, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8770, 0.2905, 0.3300 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(210, 247, 246)` looks like.

```
.text, #text, p{  
    color:rgb(210, 247, 246)  
}
```

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(210, 247, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 247, 246) }
```

Border

The CSS property to change the border of an element to Yxy 86.8770, 0.2905, 0.3300 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(210, 247, 246) }
```

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

```
.border{ border-color:rgb(210, 247, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 247, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 247, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 247, 246);  
box-shadow:4px 4px 4px 4px rgb(210, 247,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8770, 0.2905, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 247, 246) }
```

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

```
.background{ background-color: rgb(210,  
247, 246) }
```

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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