

Converting Colors

Yxy(86.4752, 0.2949, 0.3360)

Have a look what the booklet for
Yxy(86.4752, 0.2949, 0.3360)
contains.

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Color

Yxy(86.8098, 0.2950, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	D4F7F0
RGB	212, 247, 240
RGB Percent	83%, 97%, 94%
CMY	0.1684, 0.0314, 0.0589
CMYK	0.14, 0.00, 0.03, 0.03
HSL	168°, 69%, 90%
HSV	168°, 14%, 97%
XYZ	76.1489, 86.8098, 95.1733
YIQ	235.7370, -18.6130, -9.5970

Conversions

Conversions Part 2

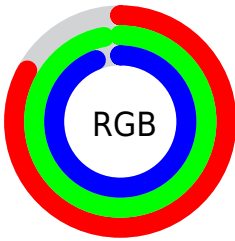
Format	Color
R _Y B	212, 231, 247
Decimal	13957104
CIE Lab	94.66, -12.59, -0.44
CIE LCh	95, 12.594, 181.992
Yxy	86.8098, 0.2950, 0.3363
Android (android.graphics.Color)	4292147184 (0xFFD4F7F0)
YUV	235.7370, 2.1017, -20.8173
Hunter-Lab	93.1718, -17.1632, 4.6566

Details

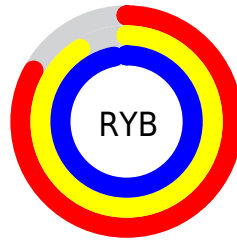
The Yxy color **86.8098, 0.2950, 0.3363** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.0012, 0.3339, 0.3218**, and the grayscale version is **83.6711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8904, 0.2911, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **83.1279, 0.2833, 0.3421**, and if you desaturate by 10%, it is **91.0685, 0.3074, 0.3310**.

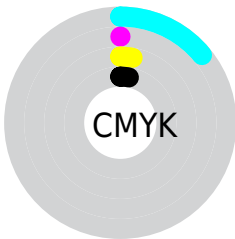
Distribution



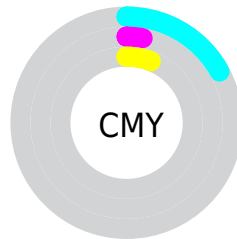
- Red (83%)
- Green (97%)
- Blue (94%)



- Red (83%)
- Yellow (91%)
- Blue (97%)



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





- Cyan (17%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8098, 0.2950, 0.3363 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 86.8098, 0.2950, 0.3363 by changing the saturation by 10% instead.


 86.8098, 0.2950,
0.3363

 86.8098, 0.2950,
0.3363


517.5977, 0.3029,
0.3331

 65.3378, 0.2932,
0.3370

142.8990, 0.2977,
0.3352

 47.7351, 0.2911,
0.3379


178.2850, 0.2988,
0.3348

 33.6171, 0.2884,
0.3390


219.0778, 0.2997,
0.3344

 22.5996, 0.2850,
0.3404

265.6618, 0.3005,
0.3340

 14.2981, 0.2805,
0.3422

318.4214, 0.3012,
0.3338

 8.3283, 0.2742,
0.3447

377.7410, 0.3019,

 4.3057, 0.2649,

0.3335

0.3485

444.0049, 0.3024,
0.3333

■ 1.8460, 0.2496,
0.3546

■ 0.5156, 0.1417,
0.3996

■ 86.8098, 0.2950,
0.3363

■ 86.8098, 0.2950,
0.3363

■ 83.1279, 0.2833,
0.3421

■ 91.0685, 0.3074,
0.3310

■ 79.9864, 0.2725,
0.3483

■ 94.6737, 0.3161,
0.3262

■ 77.3616, 0.2631,
0.3549

■ 94.9882, 0.3132,
0.3215

■ 75.2234, 0.2552,
0.3619

■ 94.9985, 0.3131,
0.3214

■ 73.5391, 0.2492,
0.3692

■ 72.2714, 0.2450,
0.3765

■ 71.3774, 0.2429,
0.3839

■ 70.8043, 0.2427,
0.3913

■ 70.5728, 0.2432,
0.3955

Harmonies

Analogous

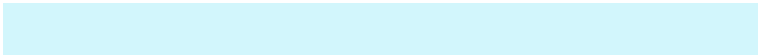
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8098, 0.3079, 0.3477



86.8098, 0.2950, 0.3363



86.8098, 0.2869, 0.3231

Triad

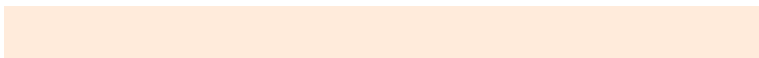
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8098, 0.2950, 0.3363



86.8098, 0.3028, 0.3055



86.8098, 0.3406, 0.3454

Complementary

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



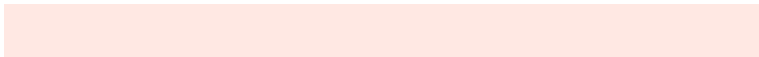
86.8098, 0.2950, 0.3363



72.0012, 0.3339, 0.3218

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.



86.8098, 0.3392, 0.3340



86.8098, 0.2950, 0.3363



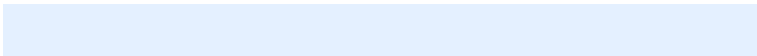
86.8098, 0.3171, 0.3114

Square

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



86.8098, 0.2950, 0.3363



86.8098, 0.2913, 0.3056



86.8098, 0.3306, 0.3216



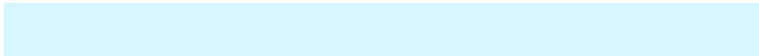
86.8098, 0.3343, 0.3527

Rectangle

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



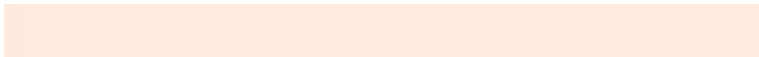
86.8098, 0.2950, 0.3363



86.8098, 0.2852, 0.3152



86.8098, 0.3306, 0.3216



86.8098, 0.3410, 0.3419

Sweetspot

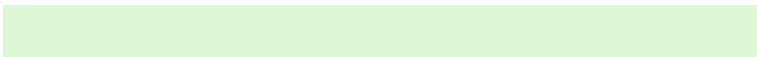
The Sweet Spot groups the original color and five complimentary colors.



86.8134, 0.2950, 0.3363



97.9856, 0.3076, 0.3310



86.4307, 0.3158, 0.3662



20.8943, 0.3066, 0.3313



0.0000, 0.0000, 0.0000



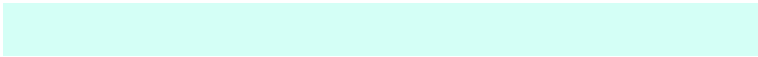
21.4041, 0.3127, 0.3290

Same Dimension

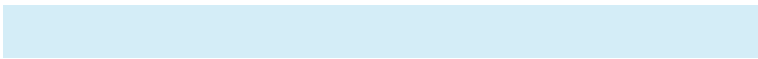
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8134, 0.2950, 0.3363



92.1382, 0.2915, 0.3379



81.3416, 0.2908, 0.3185



18.6976, 0.3007, 0.3338



37.3462, 0.2429, 0.3943



3.2965, 0.2403, 0.3851

Inverse Universe

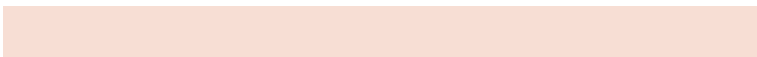
The Inverse Universe completely reimagines the original color for something new.



72.0012, 0.3339, 0.3218



73.3573, 0.3391, 0.3203



76.7448, 0.3375, 0.3393



16.5368, 0.3262, 0.3243



10.5934, 0.6075, 0.3120



0.9451, 0.5742, 0.2937

Previews

White Background



This preview shows how the Yxy color 86.8098, 0.2950, 0.3363 looks on a white background.

Color Contrast Check

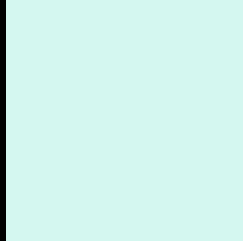
Large Text (above 18pt) WCAG AA × Fail

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 86.8098, 0.2950, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

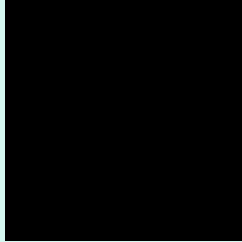
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

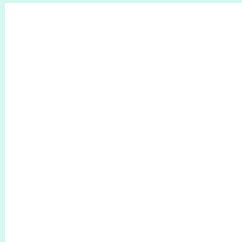
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8098, 0.2950, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 86.8098, 0.2950, 0.3363.

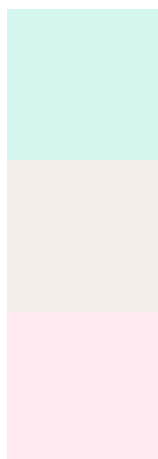


This preview shows how white text looks on a background with the Yxy color 86.8098, 0.2950, 0.3363.

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

86.8098, 0.2950, 0.3363

Protanopia

86.3803, 0.3186, 0.3320

Deuteranopia

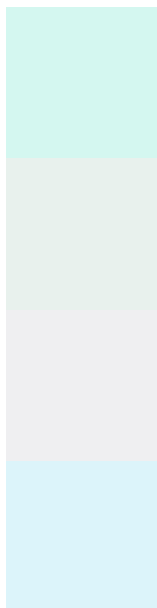
86.5164, 0.3219, 0.3212



Tritanopia

86.5716, 0.2938, 0.3157

Trichromacy



Original Color

86.8098, 0.2950, 0.3363

Protanomaly

86.1808, 0.3093, 0.3331

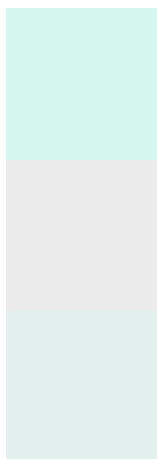
Deuteranomaly

86.4346, 0.3115, 0.3270

Tritanomaly

86.8191, 0.2942, 0.3228

Monochromacy



Original Color

86.8098, 0.2950, 0.3363

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.7655, 0.3061, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8098, 0.2950, 0.3363 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(212, 247, 240)` looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 240)  
}
```

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(212, 247, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 240) }
```

Border

The CSS property to change the border of an element to Yxy 86.8098, 0.2950, 0.3363 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(212, 247, 240) }
```

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

```
.border{ border-color:rgb(212, 247, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 247, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 240);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8098, 0.2950, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 247, 240) }
```

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

```
.background{ background-color: rgb(212,  
247, 240) }
```

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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