

Converting Colors

$Yxy(86.1330, 0.2954, 0.3406)$

Have a look what the booklet for
Yxy(86.1330, 0.2954, 0.3406)
contains.

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Color

Yxy(86.1330, 0.2954, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	D1F7EC
RGB	209, 247, 236
RGB Percent	82%, 97%, 93%
CMY	0.1803, 0.0314, 0.0745
CMYK	0.15, 0.00, 0.04, 0.03
HSL	163°, 70%, 89%
HSV	163°, 15%, 97%
XYZ	74.7025, 86.1330, 92.0505
YIQ	234.3840, -19.1170, -11.4770

Conversions

Conversions Part 2

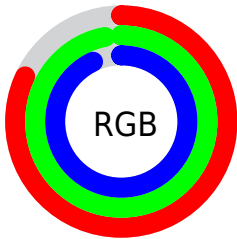
Format	Color
R _Y B	209, 231, 247
Decimal	13760492
CIE Lab	94.37, -14.30, 1.18
CIE LCh	94, 14.352, 175.284
Yxy	86.1330, 0.2954, 0.3406
Android (android.graphics.Color)	4291950572 (0xFFD1F7EC)
YUV	234.3840, 0.7967, -22.2618
Hunter-Lab	92.8079, -18.7362, 6.1593

Details

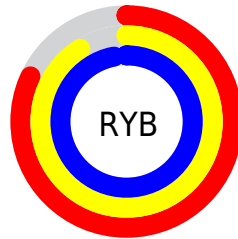
The Yxy color **86.1330, 0.2954, 0.3406** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.5583, 0.3336, 0.3177**, and the grayscale version is **82.5966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4269, 0.2916, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **82.4008, 0.2849, 0.3491**, and if you desaturate by 10%, it is **90.4476, 0.3066, 0.3328**.

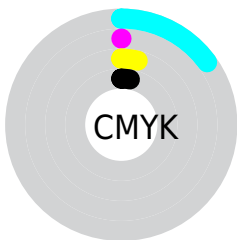
Distribution



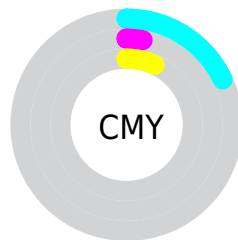
- Red (82%)
- Green (97%)
- Blue (93%)



- Red (82%)
- Yellow (91%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)





- Cyan (18%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1330, 0.2954, 0.3406 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 86.1330, 0.2954, 0.3406 by changing the saturation by 10% instead.


 86.1330, 0.2954,
0.3406

 86.1330, 0.2954,
0.3406


515.3697, 0.3032,
0.3354

 64.7780, 0.2937,
0.3418


141.9551, 0.2981,
0.3388

 47.2811, 0.2916,
0.3432


177.1909, 0.2991,
0.3381

 33.2579, 0.2889,
0.3450


217.8224, 0.3000,
0.3375

 22.3241, 0.2855,
0.3473

264.2341, 0.3008,
0.3370

 14.0952, 0.2810,
0.3503

316.8102, 0.3015,
0.3365

 8.1869, 0.2747,
0.3546

375.9353, 0.3021,

 4.2148, 0.2654,

0.3361

0.3611

441.9936, 0.3027,
0.3357

1.7944, 0.2498,
0.3719

0.4837, 0.1065,
0.4658

86.1330, 0.2954,
0.3406

86.1330, 0.2954,
0.3406

82.4008, 0.2849,
0.3491

90.4476, 0.3066,
0.3328


79.2142, 0.2752,
0.3584

94.7015, 0.3159,
0.3258

76.5492, 0.2668,
0.3683

95.0001, 0.3131,
0.3214


74.3753, 0.2599,
0.3787

 72.6589, 0.2548,
0.3896

 71.3623, 0.2516,
0.4007

 70.4413, 0.2505,
0.4118

 69.8416, 0.2513,
0.4227

 69.6353, 0.2522,
0.4278

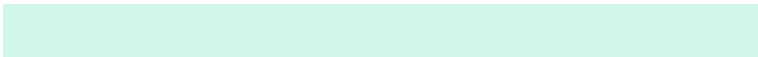
Harmonies

Analogous

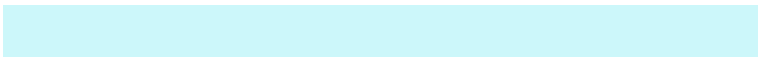
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1330, 0.3108, 0.3526



86.1330, 0.2954, 0.3406



86.1330, 0.2847, 0.3255

Triad

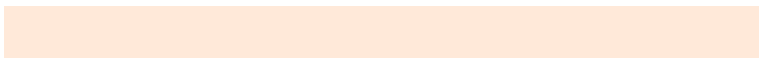
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1330, 0.2954, 0.3406



86.1330, 0.2980, 0.3017



86.1330, 0.3451, 0.3450

Complementary

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



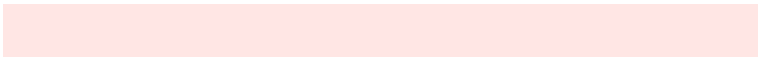
86.1330, 0.2954, 0.3406



70.5583, 0.3336, 0.3177

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.



86.1330, 0.3415, 0.3314



86.1330, 0.2954, 0.3406



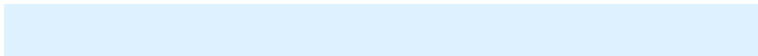
86.1330, 0.3140, 0.3069

Square

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



86.1330, 0.2954, 0.3406



86.1330, 0.2862, 0.3033



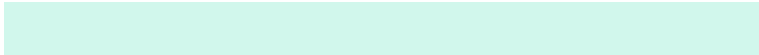
86.1330, 0.3300, 0.3177



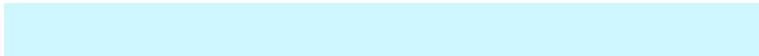
86.1330, 0.3397, 0.3548

Rectangle

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



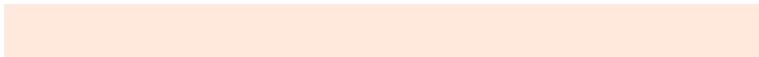
86.1330, 0.2954, 0.3406



86.1330, 0.2816, 0.3160



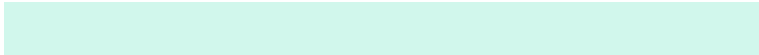
86.1330, 0.3300, 0.3177



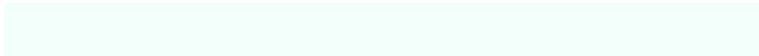
86.1330, 0.3449, 0.3407

Sweetspot

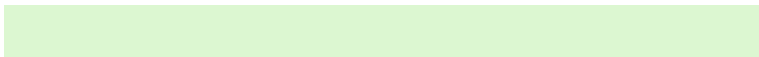
The Sweet Spot groups the original color and five complimentary colors.



86.1366, 0.2954, 0.3406



97.4261, 0.3070, 0.3326



86.4065, 0.3181, 0.3694



20.7786, 0.3062, 0.3331



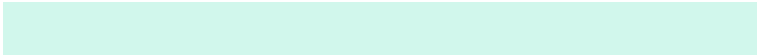
0.0000, 0.0000, 0.0000



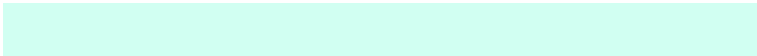
21.4041, 0.3127, 0.3290

Same Dimension

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



86.1366, 0.2954, 0.3406



91.4836, 0.2925, 0.3428



82.2451, 0.2890, 0.3209



18.6713, 0.3019, 0.3359



36.8545, 0.2517, 0.4260



3.2569, 0.2478, 0.4122

Inverse Universe

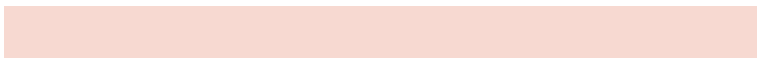
The Inverse Universe completely reimagines the original color for something new.



70.5583, 0.3336, 0.3177



72.2046, 0.3379, 0.3157



73.8110, 0.3405, 0.3370



16.5614, 0.3248, 0.3222



10.7231, 0.5801, 0.2969



0.9595, 0.5447, 0.2774

Previews

White Background



This preview shows how the Yxy color 86.1330, 0.2954, 0.3406 looks on a white background.

Color Contrast Check

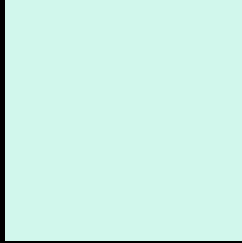
Large Text (above 18pt) WCAG AA × Fail

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 86.1330, 0.2954, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

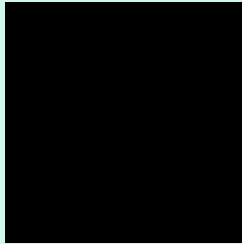
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

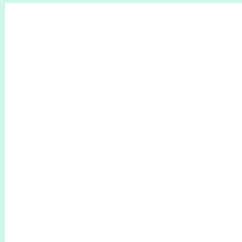
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1330, 0.2954, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 86.1330, 0.2954, 0.3406.

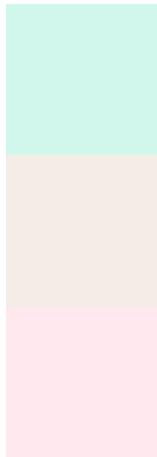


This preview shows how white text looks on a background with the Yxy color 86.1330, 0.2954, 0.3406.

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

86.1330, 0.2954, 0.3406

Protanopia

85.5710, 0.3212, 0.3351

Deuteranopia

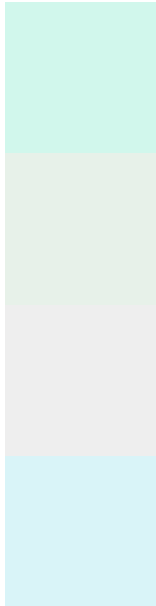
85.7698, 0.3239, 0.3232



Tritanopia

86.2539, 0.2925, 0.3157

Trichromacy



Original Color

86.1330, 0.2954, 0.3406

Protanomaly

85.7827, 0.3110, 0.3372

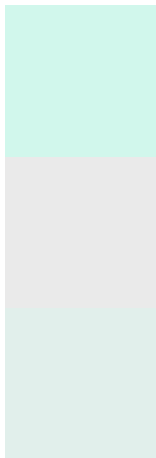
Deuteranomaly

85.4993, 0.3127, 0.3290

Tritanomaly

86.2304, 0.2935, 0.3248

Monochromacy



Original Color

86.1330, 0.2954, 0.3406

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.7387, 0.3060, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1330, 0.2954, 0.3406 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(209, 247, 236)` looks like.

```
.text, #text, p{  
    color:rgb(209, 247, 236)  
}
```

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(209, 247, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 247, 236) }
```

Border

The CSS property to change the border of an element to Yxy 86.1330, 0.2954, 0.3406 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(209, 247, 236) }
```

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

```
.border{ border-color:rgb(209, 247, 236) }
```

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

Here you see how a box with a 4 pixel rgb(209, 247, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 247, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 247, 236);  
box-shadow:4px 4px 4px 4px rgb(209, 247,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1330, 0.2954, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 247, 236) }
```

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

```
.background{ background-color: rgb(209,  
247, 236) }
```

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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