

Converting Colors

Yxy(87.6183, 0.2907, 0.3494)

Have a look what the booklet for
Yxy(87.6183, 0.2907, 0.3494)
contains.

Yxy(87.5098, 0.2907, 0.3494)	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(87.5098, 0.2907, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	C6FCE9
RGB	198, 252, 233
RGB Percent	78%, 99%, 91%
CMY	0.2235, 0.0117, 0.0863
CMYK	0.21, 0.00, 0.08, 0.01
HSL	159°, 90%, 88%
HSV	159°, 21%, 99%
XYZ	72.8080, 87.5098, 90.1396
YIQ	233.6880, -26.0850, -17.3570

Conversions

Conversions Part 2

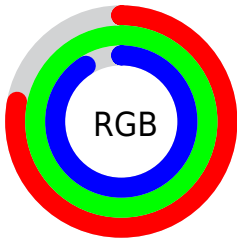
Format	Color
RYB	198, 231, 252
Decimal	13040873
CIELab	94.95, -20.76, 3.51
CIELCh	95, 21.053, 170.413
Yxy	87.5098, 0.2907, 0.3494
Android (android.graphics.Color)	4291230953 (0xFFC6FCE9)
YUV	233.6880, -0.3392, -31.2984
Hunter-Lab	93.5467, -24.7790, 8.3521

Details

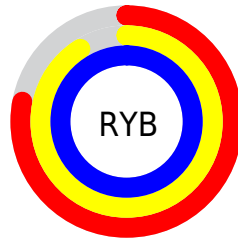
The Yxy color **87.5098, 0.2907, 0.3494** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.0999, 0.3412, 0.3095**, and the grayscale version is **82.0518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0442, 0.2859, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **83.8744, 0.2814, 0.3604**, and if you desaturate by 10%, it is **91.7476, 0.3007, 0.3393**.

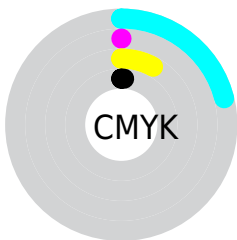
Distribution



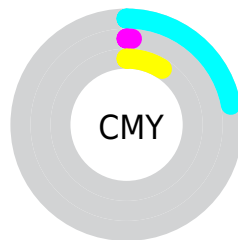
- Red (78%)
- Green (99%)
- Blue (91%)



- Red (78%)
- Yellow (91%)
- Blue (99%)



- Cyan (21%)
- Magenta (0%)
- Yellow (8%)
- Black (1%)




- Cyan (22%)
- Magenta (1%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5098, 0.2907, 0.3494 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 87.5098, 0.2907, 0.3494 by changing the saturation by 10% instead.


 87.5098, 0.2907,
0.3494

 87.5098, 0.2907,
0.3494

519.8966, 0.3006,
0.3402

 65.9172, 0.2885,
0.3515


143.8745, 0.2941,
0.3462

 48.2052, 0.2858,
0.3540


179.4154, 0.2954,
0.3450

 33.9894, 0.2824,
0.3572

220.3744, 0.2966,
0.3439

 22.8854, 0.2781,
0.3613

267.1361, 0.2976,
0.3430

 14.5089, 0.2724,
0.3668

320.0847, 0.2985,
0.3421

 8.4755, 0.2644,
0.3746

379.6048, 0.2993,

 4.4007, 0.2524,

0.3414

0.3865

446.0806, 0.3000,
0.3407

■ 1.9001, 0.2326,
0.4065

■ 0.5485, 0.0159,
0.5994

■ 87.5098, 0.2907,
0.3494

■ 87.5098, 0.2907,
0.3494

■ 83.8744, 0.2814,
0.3604

■ 91.7476, 0.3007,
0.3393


■ 80.8021, 0.2731,
0.3724


■ 96.6036, 0.3112,
0.3302

■ 78.2655, 0.2661,
0.3851


■ 98.1033, 0.3128,
0.3262

■ 76.2307, 0.2608,
0.3984

 74.6597, 0.2574,
0.4121

 73.5088, 0.2560,
0.4259

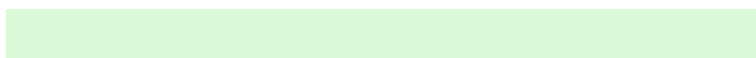
 72.7256, 0.2567,
0.4395

 72.2779, 0.2586,
0.4510

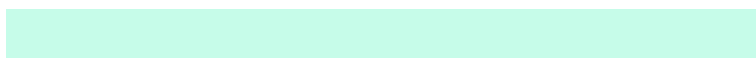
Harmonies

Analogous

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



87.5098, 0.3136, 0.3660



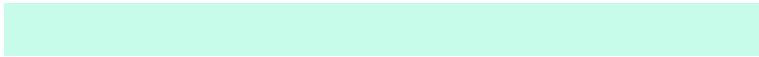
87.5098, 0.2907, 0.3494



87.5098, 0.2740, 0.3271

Triad

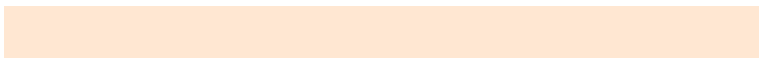
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5098, 0.2907, 0.3494



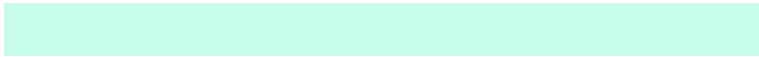
87.5098, 0.2878, 0.2893



87.5098, 0.3602, 0.3488

Complementary

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



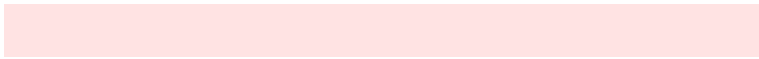
87.5098, 0.2907, 0.3494



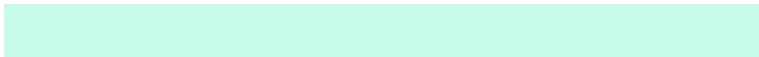
66.0999, 0.3412, 0.3095

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.



87.5098, 0.3528, 0.3288



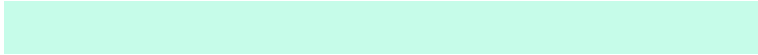
87.5098, 0.2907, 0.3494



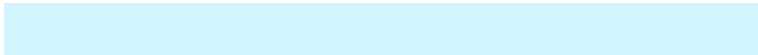
87.5098, 0.3104, 0.2954

Square

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



87.5098, 0.2907, 0.3494



87.5098, 0.2724, 0.2930



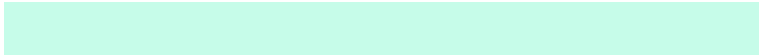
87.5098, 0.3343, 0.3096



87.5098, 0.3542, 0.3646

Rectangle

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



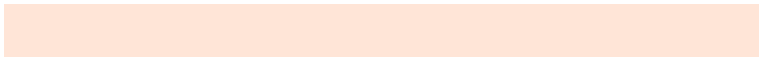
87.5098, 0.2907, 0.3494



87.5098, 0.2684, 0.3128



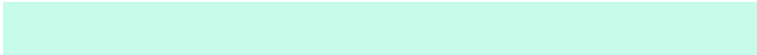
87.5098, 0.3343, 0.3096



87.5098, 0.3592, 0.3423

Sweetspot

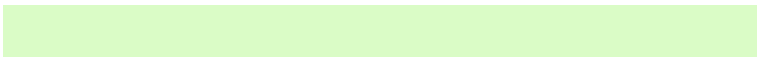
The Sweet Spot groups the original color and five complimentary colors.



87.5134, 0.2907, 0.3494



96.8707, 0.3064, 0.3343



88.5769, 0.3224, 0.3867



20.6645, 0.3057, 0.3349



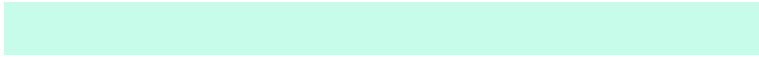
0.0000, 0.0000, 0.0000



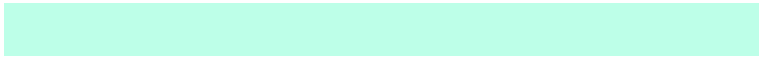
21.4041, 0.3127, 0.3290

Same Dimension

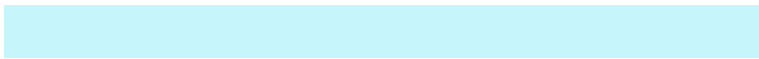
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5134, 0.2907, 0.3494



88.1073, 0.2863, 0.3544



84.2225, 0.2802, 0.3213



19.4987, 0.3027, 0.3375



37.6780, 0.2580, 0.4487



3.5097, 0.2535, 0.4327

Inverse Universe

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



66.0999, 0.3412, 0.3095



62.2818, 0.3491, 0.3051



68.5368, 0.3547, 0.3366



17.3261, 0.3238, 0.3207



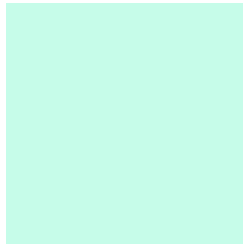
11.1790, 0.5573, 0.2844



1.0546, 0.5243, 0.2662

Previews

White Background



This preview shows how the Yxy color 87.5098, 0.2907, 0.3494 looks on a white background.

Color Contrast Check

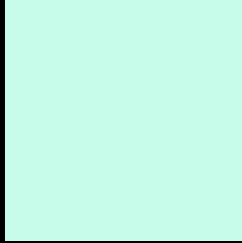
Large Text (above 18pt) WCAG AA × Fail

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 87.5098, 0.2907, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

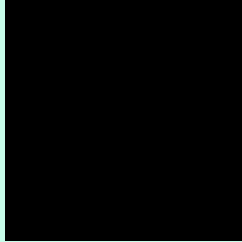
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

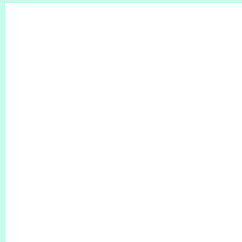
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5098, 0.2907, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 87.5098, 0.2907, 0.3494.

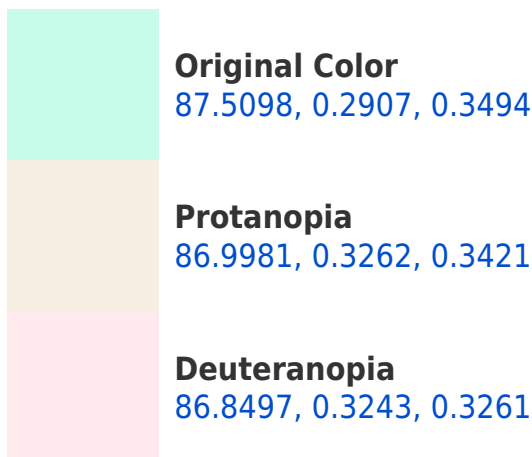


This preview shows how white text looks on a background with the Yxy color 87.5098, 0.2907, 0.3494.

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

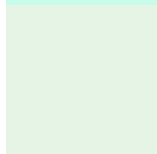
87.2935, 0.2920, 0.3177

Trichromacy



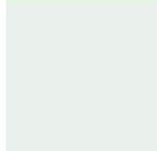
Original Color

87.5098, 0.2907, 0.3494



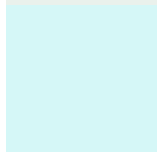
Protanomaly

87.0165, 0.3120, 0.3445



Deuteranomaly

86.4591, 0.3112, 0.3341



Tritanomaly

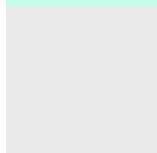
87.3831, 0.2917, 0.3289

Monochromacy



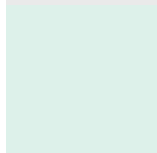
Original Color

87.5098, 0.2907, 0.3494



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.2233, 0.3040, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5098, 0.2907, 0.3494 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(198, 252, 233)` looks like.

```
.text, #text, p{  
    color:rgb(198, 252, 233)  
}
```

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(198, 252, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 252, 233) }
```

Border

The CSS property to change the border of an element to Yxy 87.5098, 0.2907, 0.3494 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(198, 252, 233) }
```

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

```
.border{ border-color:rgb(198, 252, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 252, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 252, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 252, 233);  
box-shadow:4px 4px 4px 4px rgb(198, 252,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5098, 0.2907, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 252, 233) }
```

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

```
.background{ background-color: rgb(198,  
252, 233) }
```

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