

Converting Colors

$Yxy(87.4703, 0.2817, 0.3303)$

Have a look what the booklet for
Yxy(87.4703, 0.2817, 0.3303)
contains.

Yxy(87.7042, 0.2817, 0.3310)	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(87.7042, 0.2817, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	C5FBF9
RGB	197, 251, 249
RGB Percent	77%, 98%, 98%
CMY	0.2271, 0.0158, 0.0235
CMYK	0.21, 0.00, 0.01, 0.02
HSL	178°, 87%, 88%
HSV	178°, 21%, 98%
XYZ	74.6413, 87.7042, 102.6219
YIQ	234.6260, -31.5420, -12.0700

Conversions

Conversions Part 2

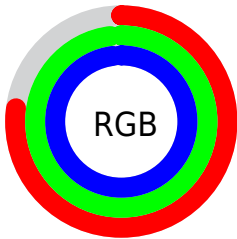
Format	Color
RYB	197, 225, 251
Decimal	12975097
CIELab	95.04, -17.30, -4.65
CIElCh	95, 17.918, 195.037
Yxy	87.7042, 0.2817, 0.3310
Android (android.graphics.Color)	4291165177 (0xFFC5FBF9)
YUV	234.6260, 7.0864, -32.9980
Hunter-Lab	93.6505, -21.6204, 0.5856

Details

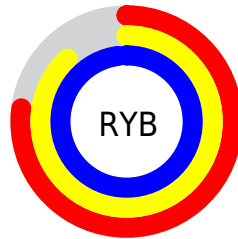
The Yxy color **87.7042, 0.2817, 0.3310** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.6103, 0.3548, 0.3271**, and the grayscale version is **82.7576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1846, 0.2747, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **84.5375, 0.2689, 0.3321**, and if you desaturate by 10%, it is **91.4425, 0.2957, 0.3300**.

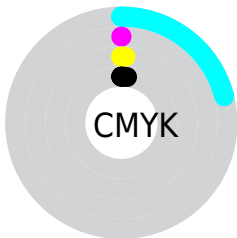
Distribution



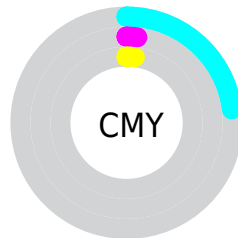
- Red (77%)
- Green (98%)
- Blue (98%)



- Red (77%)
- Yellow (88%)
- Blue (98%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)




- Cyan (23%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.7042, 0.2817, 0.3310 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 87.7042, 0.2817, 0.3310 by changing the saturation by 10% instead.


 87.7042, 0.2817,
0.3310

 87.7042, 0.2817,
0.3310


520.5341, 0.2955,
0.3303

 66.0781, 0.2787,
0.3311

144.1453, 0.2864,
0.3308

 48.3358, 0.2750,
0.3313

179.7291, 0.2882,
0.3307

 34.0929, 0.2705,
0.3314


220.7342, 0.2898,
0.3306

 22.9650, 0.2647,
0.3316

267.5451, 0.2912,
0.3305

 14.5677, 0.2571,
0.3317

320.5461, 0.2925,
0.3304

 8.5165, 0.2466,
0.3318


380.1217, 0.2936,


 4.4272, 0.2314,

0.3304


446.6562, 0.2946,
0.3303


0.3316


 1.9153, 0.2073,
0.3306


 0.5575, 0.0673,
0.3491


 87.7042, 0.2817,
0.3310

 87.7042, 0.2817,
0.3310

 84.5375, 0.2689,
0.3321


 91.4425, 0.2957,
0.3300


 81.9038, 0.2576,
0.3332

 95.7675, 0.3105,
0.3291

 79.7763, 0.2480,
0.3343

 97.2578, 0.3148,
0.3283

 78.1219, 0.2402,
0.3355

 97.3162, 0.3142,
0.3274

76.9031, 0.2344,
0.3368

97.3750, 0.3137,
0.3265

76.0773, 0.2305,
0.3380

97.4339, 0.3132,
0.3256

75.5929, 0.2285,
0.3392

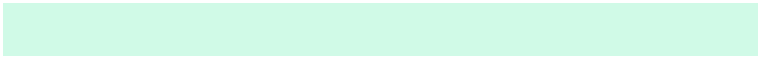
97.4642, 0.3129,
0.3252

75.3817, 0.2278,
0.3402

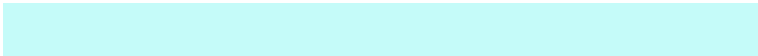
Harmonies

Analogous

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



87.7042, 0.2973, 0.3493



87.7042, 0.2817, 0.3310



87.7042, 0.2743, 0.3128

Triad

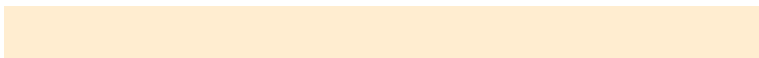
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.7042, 0.2817, 0.3310



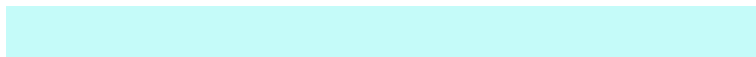
87.7042, 0.3071, 0.2987



87.7042, 0.3497, 0.3574

Complementary

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



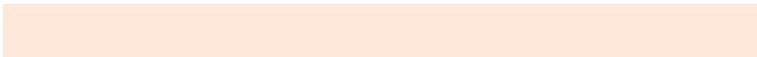
87.7042, 0.2817, 0.3310



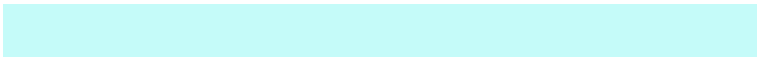
64.6103, 0.3548, 0.3271

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.



87.7042, 0.3527, 0.3431



87.7042, 0.2817, 0.3310



87.7042, 0.3277, 0.3099

Square

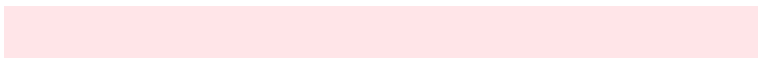
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



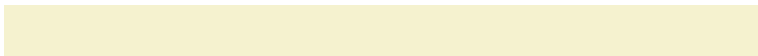
87.7042, 0.2817, 0.3310



87.7042, 0.2886, 0.2950



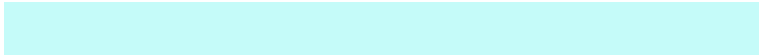
87.7042, 0.3445, 0.3259



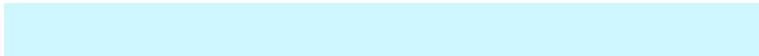
87.7042, 0.3366, 0.3646

Rectangle

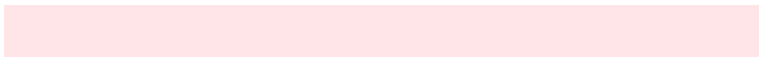
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



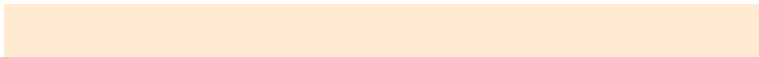
87.7042, 0.2817, 0.3310



87.7042, 0.2749, 0.3034



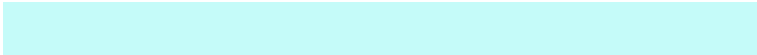
87.7042, 0.3445, 0.3259



87.7042, 0.3519, 0.3533

Sweetspot

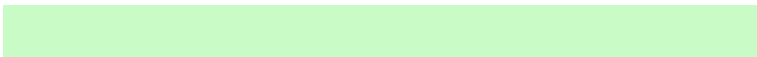
The Sweet Spot groups the original color and five complimentary colors.



87.7078, 0.2817, 0.3310



97.1767, 0.3037, 0.3295



85.2707, 0.3116, 0.3887



20.7370, 0.3027, 0.3296



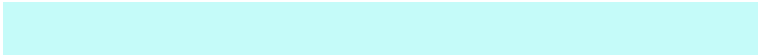
0.0000, 0.0000, 0.0000



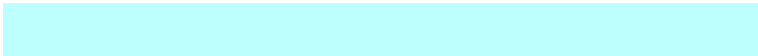
21.4041, 0.3127, 0.3290

Same Dimension

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



87.7078, 0.2817, 0.3310



89.3649, 0.2757, 0.3315



73.6411, 0.2788, 0.3026



19.5970, 0.2985, 0.3298



39.6346, 0.2278, 0.3400



3.6742, 0.2274, 0.3386

Inverse Universe

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



64.6103, 0.3548, 0.3271



61.2936, 0.3666, 0.3266



76.4381, 0.3512, 0.3541



17.2355, 0.3288, 0.3282



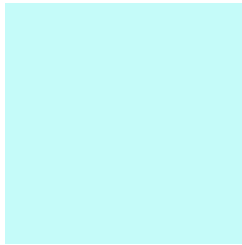
10.7957, 0.6363, 0.3279



1.0034, 0.6271, 0.3229

Previews

White Background



This preview shows how the Yxy color 87.7042, 0.2817, 0.3310 looks on a white background.

Color Contrast Check

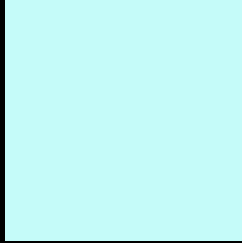
Large Text (above 18pt) WCAG AA × Fail

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 87.7042, 0.2817, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

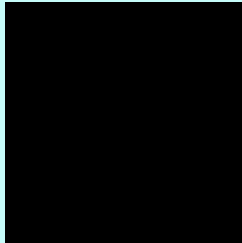
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.7042, 0.2817, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 87.7042, 0.2817, 0.3310.

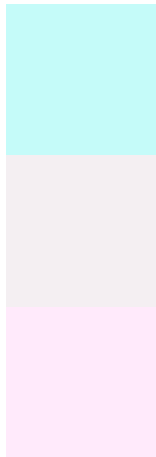


This preview shows how white text looks on a background with the Yxy color 87.7042, 0.2817, 0.3310.

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

87.7042, 0.2817, 0.3310

Protanopia

87.3769, 0.3142, 0.3260

Deuteranopia

87.0707, 0.3162, 0.3126



Tritanopia

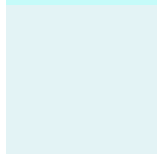
87.2935, 0.2920, 0.3177

Trichromacy



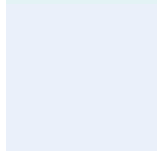
Original Color

87.7042, 0.2817, 0.3310



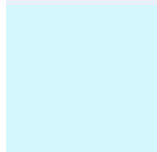
Protanomaly

87.0246, 0.3013, 0.3269



Deuteranomaly

86.7147, 0.3029, 0.3189



Tritanomaly

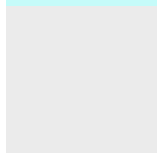
87.6104, 0.2878, 0.3227

Monochromacy



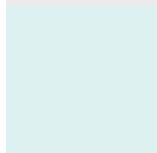
Original Color

87.7042, 0.2817, 0.3310



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.5740, 0.3005, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7042, 0.2817, 0.3310 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(197, 251, 249)` looks like.

```
.text, #text, p{  
    color:rgb(197, 251, 249)  
}
```

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(197, 251, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 251, 249) }
```

Border

The CSS property to change the border of an element to Yxy 87.7042, 0.2817, 0.3310 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(197, 251, 249) }
```

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

```
.border{ border-color:rgb(197, 251, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 251, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 251, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 251, 249);  
box-shadow:4px 4px 4px 4px rgb(197, 251,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7042, 0.2817, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 251, 249) }
```

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

```
.background{ background-color: rgb(197,  
251, 249) }
```

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