

Converting Colors

$Yxy(85.9768, 0.2791, 0.3293)$

Have a look what the booklet for
Yxy(85.9768, 0.2791, 0.3293)
contains.

Yxy(85.7974, 0.2787, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.7974, 0.2787, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	C0F9F9
RGB	192, 249, 249
RGB Percent	75%, 98%, 98%
CMY	0.2473, 0.0235, 0.0235
CMYK	0.23, 0.00, 0.00, 0.02
HSL	180°, 83%, 86%
HSV	180°, 23%, 98%
XYZ	72.7021, 85.7974, 102.3621
YIQ	231.9570, -33.9720, -12.0840

Conversions

Conversions Part 2

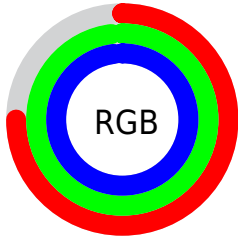
Format	Color
R _Y B	192, 221, 249
Decimal	12646905
CIE Lab	94.23, -17.84, -5.88
CIE LCh	94, 18.785, 198.244
Yxy	85.7974, 0.2787, 0.3289
Android (android.graphics.Color)	4290836985 (0xFFC0F9F9)
YUV	231.9570, 8.4022, -35.0423
Hunter-Lab	92.6269, -21.9937, -0.6827

Details

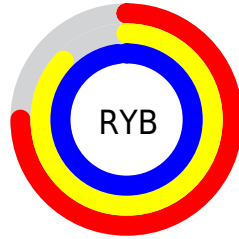
The Yxy color **85.7974, 0.2787, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.6178, 0.3601, 0.3291**, and the grayscale version is **80.6111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **46.8679, 0.2711, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **82.8219, 0.2657, 0.3289**, and if you desaturate by 10%, it is **89.3297, 0.2929, 0.3289**.

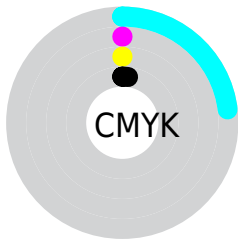
Distribution



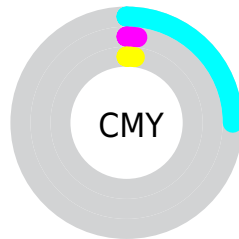
- Red (75%)
- Green (98%)
- Blue (98%)



- Red (75%)
- Yellow (87%)
- Blue (98%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (25%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7974, 0.2787, 0.3289 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 85.7974, 0.2787, 0.3289 by changing the saturation by 10% instead.


 85.7974, 0.2787,
0.3289

 85.7974, 0.2787,
0.3289

514.2629, 0.2938,
0.3291

 64.5005, 0.2754,
0.3288


 141.4867, 0.2838,
0.3290

 47.0561, 0.2713,
0.3287


176.6479, 0.2859,
0.3291

 33.0800, 0.2663,
0.3285


217.1993, 0.2876,
0.3291

 22.1878, 0.2599,
0.3281

263.5252, 0.2892,
0.3291

 13.9949, 0.2515,
0.3276

316.0102, 0.2906,
0.3291

 8.1171, 0.2399,
0.3268

375.0385, 0.2918,

 4.1700, 0.2231,

0.3291

440.9946, 0.2929,
0.3291

0.3251

1.7691, 0.1964,
0.3214

0.4678, 0.0065,
0.3348

85.7974, 0.2787,
0.3289

85.7974, 0.2787,
0.3289

82.8219, 0.2657,
0.3289

89.3297, 0.2929,
0.3289

80.3651, 0.2543,
0.3288


93.4341, 0.3081,
0.3290


78.4004, 0.2447,
0.3288


95.8628, 0.3165,
0.3290

76.8947, 0.2370,
0.3288


95.8629, 0.3165,
0.3290

 75.8108, 0.2313,
0.3288


 95.8629, 0.3165,
0.3290

 75.1056, 0.2274,
0.3288

 95.8630, 0.3165,
0.3290

 74.7272, 0.2254,
0.3288

 95.8631, 0.3165,
0.3290

 74.6021, 0.2247,
0.3288

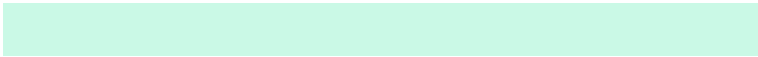
 95.8631, 0.3165,
0.3290

 95.8632, 0.3165,
0.3290

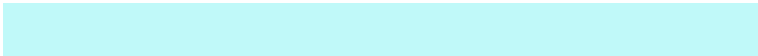
Harmonies

Analogous

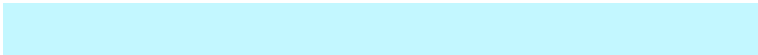
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7974, 0.2943, 0.3486



85.7974, 0.2787, 0.3289



85.7974, 0.2720, 0.3101

Triad

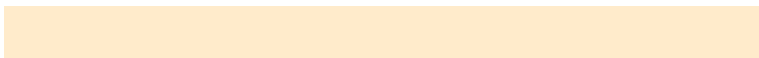
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7974, 0.2787, 0.3289



85.7974, 0.3091, 0.2980



85.7974, 0.3507, 0.3602

Complementary

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



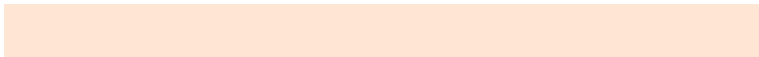
85.7974, 0.2787, 0.3289



61.6178, 0.3601, 0.3291

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.



85.7974, 0.3552, 0.3457



85.7974, 0.2787, 0.3289



85.7974, 0.3307, 0.3105

Square

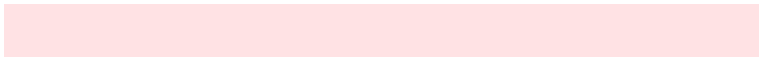
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7974, 0.2787, 0.3289



85.7974, 0.2891, 0.2931



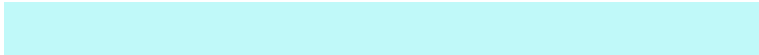
85.7974, 0.3478, 0.3276



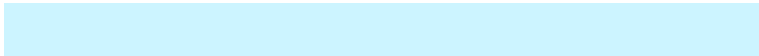
85.7974, 0.3359, 0.3669

Rectangle

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



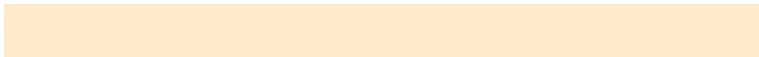
85.7974, 0.2787, 0.3289



85.7974, 0.2734, 0.3006



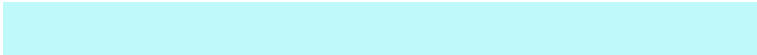
85.7974, 0.3478, 0.3276



85.7974, 0.3535, 0.3561

Sweetspot

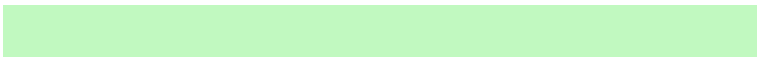
The Sweet Spot groups the original color and five complimentary colors.



85.8009, 0.2787, 0.3289



96.7703, 0.3018, 0.3290



82.8879, 0.3103, 0.3935



20.6563, 0.3009, 0.3290



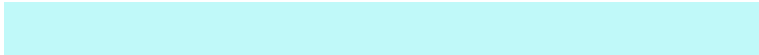
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

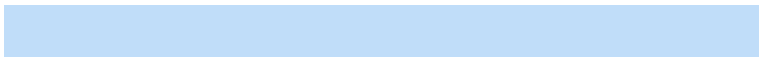
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8009, 0.2787, 0.3289



88.8808, 0.2719, 0.3289



69.9785, 0.2763, 0.2984



19.6086, 0.2980, 0.3290



39.9270, 0.2247, 0.3288



3.6979, 0.2247, 0.3288

Inverse Universe

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



61.6178, 0.3601, 0.3291



58.8191, 0.3744, 0.3292



74.8839, 0.3538, 0.3578



17.2252, 0.3294, 0.3290



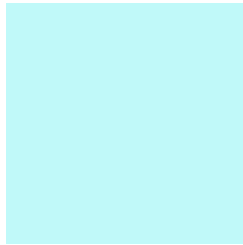
10.7805, 0.6401, 0.3300



0.9985, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 85.7974, 0.2787, 0.3289 looks on a white background.

Color Contrast Check

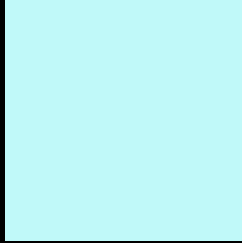
Large Text (above 18pt) WCAG AA × Fail

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 85.7974, 0.2787, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

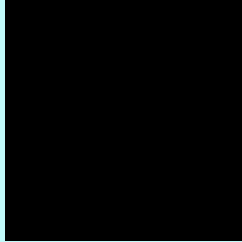
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.7974, 0.2787, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 85.7974, 0.2787, 0.3289.

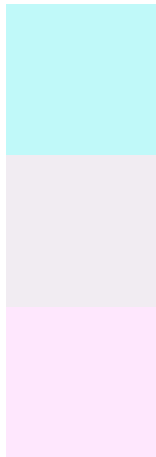


This preview shows how white text looks on a background with the Yxy color 85.7974, 0.2787, 0.3289.

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

85.7974, 0.2787, 0.3289

Protanopia

85.1025, 0.3123, 0.3230

Deuteranopia

85.3145, 0.3144, 0.3077



Tritanopia

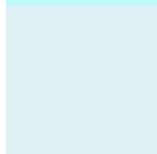
85.6173, 0.2878, 0.3165

Trichromacy



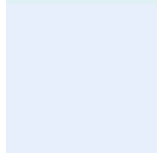
Original Color

85.7974, 0.2787, 0.3289



Protanomaly

85.1911, 0.2988, 0.3248



Deuteranomaly

85.1663, 0.2998, 0.3148



Tritanomaly

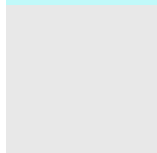
85.5185, 0.2842, 0.3205

Monochromacy



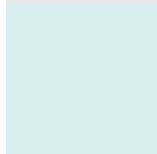
Original Color

85.7974, 0.2787, 0.3289



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.0738, 0.2991, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7974, 0.2787, 0.3289 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(192, 249, 249)` looks like.

```
.text, #text, p{  
    color:rgb(192, 249, 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(192, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 249, 249) }
```

Border

The CSS property to change the border of an element to Yxy 85.7974, 0.2787, 0.3289 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(192, 249, 249) }
```

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

```
.border{ border-color:rgb(192, 249, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 249, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 249, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 249, 249); box-shadow:4px 4px 4px 4px rgb(192, 249, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7974, 0.2787, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 249, 249) }
```

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

```
.background{ background-color: rgb(192,  
249, 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