

Converting Colors

$Yxy(86.6666, 0.2775, 0.3400)$

Have a look what the booklet for
Yxy(86.6666, 0.2775, 0.3400)
contains.

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Color

Yxy(86.7889, 0.2773, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	B7FDF3
RGB	183, 253, 243
RGB Percent	72%, 99%, 95%
CMY	0.2824, 0.0078, 0.0471
CMYK	0.28, 0.00, 0.04, 0.01
HSL	171°, 95%, 85%
HSV	171°, 28%, 99%
XYZ	70.8257, 86.7889, 97.7971
YIQ	230.9300, -38.5100, -17.9500

Conversions

Conversions Part 2

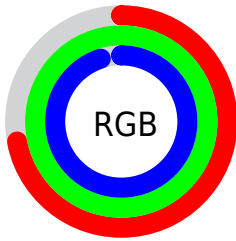
Format	Color
RYB	183, 221, 253
Decimal	12058099
CIELab	94.65, -23.63, -2.19
CIElCh	95, 23.734, 185.305
Yxy	86.7889, 0.2773, 0.3398
Android (android.graphics.Color)	4290248179 (0xFFB7FDF3)
YUV	230.9300, 5.9505, -42.0346
Hunter-Lab	93.1606, -27.3257, 2.9715

Details

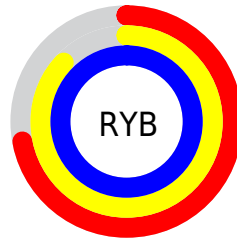
The Yxy color **86.7889, 0.2773, 0.3398** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.5959, 0.3647, 0.3186**, and the grayscale version is **79.8316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **47.6569, 0.2696, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **83.7473, 0.2664, 0.3443**, and if you desaturate by 10%, it is **90.3995, 0.2894, 0.3356**.

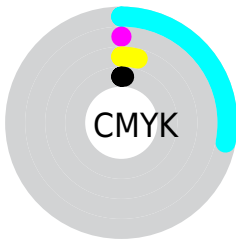
Distribution



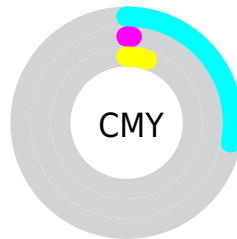
- Red (72%)
- Green (99%)
- Blue (95%)



- Red (72%)
- Yellow (87%)
- Blue (99%)



- Cyan (28%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)





- Cyan (28%)
- Magenta (1%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7889, 0.2773, 0.3398 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 86.7889, 0.2773, 0.3398 by changing the saturation by 10% instead.


 86.7889, 0.2773,
0.3398

 86.7889, 0.2773,
0.3398

517.5289, 0.2931,
0.3351

 65.3205, 0.2738,
0.3408


 142.8699, 0.2827,
0.3382

 47.7210, 0.2696,
0.3420


178.2512, 0.2848,
0.3376

 33.6060, 0.2644,
0.3436


219.0391, 0.2866,
0.3370

 22.5911, 0.2577,
0.3455

265.6178, 0.2882,
0.3365

 14.2919, 0.2489,
0.3479

318.3717, 0.2897,
0.3361

 8.3239, 0.2367,
0.3512

377.6853, 0.2909,

 4.3029, 0.2190,

0.3357

0.3559

443.9429, 0.2921,
0.3354

■ 1.8444, 0.1909,
0.3628

■ 0.5146, 0.0000,
0.4189

■ 86.7889, 0.2773,
0.3398

■ 86.7889, 0.2773,
0.3398

■ 83.7473, 0.2664,
0.3443

■ 90.3995, 0.2894,
0.3356

■ 81.2342, 0.2570,
0.3491

■ 94.5961, 0.3023,
0.3317

■ 79.2205, 0.2493,
0.3540


■ 98.6634, 0.3135,
0.3282


■ 77.6697, 0.2435,
0.3591

■ 98.7371, 0.3128,
0.3271

 76.5406, 0.2396,
0.3642

 75.7845, 0.2377,
0.3693

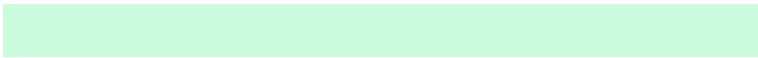
 75.3370, 0.2376,
0.3744

 75.2552, 0.2377,
0.3755

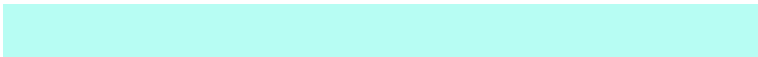
Harmonies

Analogous

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



86.7889, 0.3003, 0.3630



86.7889, 0.2773, 0.3398



86.7889, 0.2639, 0.3144

Triad

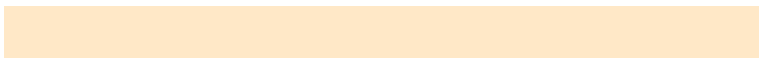
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7889, 0.2773, 0.3398



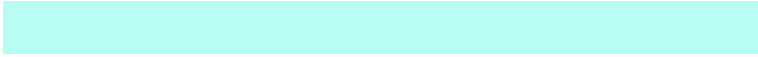
86.7889, 0.2965, 0.2865



86.7889, 0.3649, 0.3609

Complementary

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



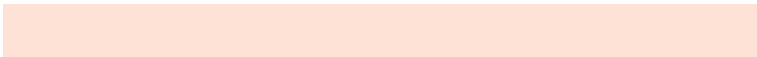
86.7889, 0.2773, 0.3398



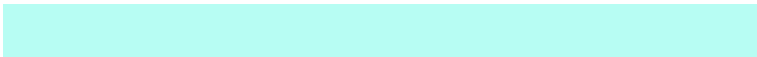
58.5959, 0.3647, 0.3186

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.



86.7889, 0.3641, 0.3400



86.7889, 0.2773, 0.3398



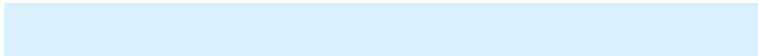
86.7889, 0.3237, 0.2983

Square

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



86.7889, 0.2773, 0.3398



86.7889, 0.2746, 0.2850



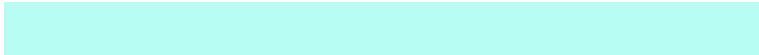
86.7889, 0.3488, 0.3174



86.7889, 0.3511, 0.3746

Rectangle

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



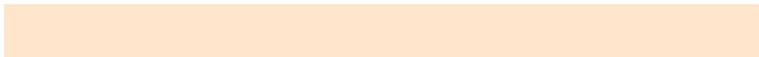
86.7889, 0.2773, 0.3398



86.7889, 0.2618, 0.3003



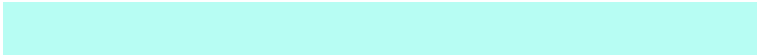
86.7889, 0.3488, 0.3174



86.7889, 0.3663, 0.3545

Sweetspot

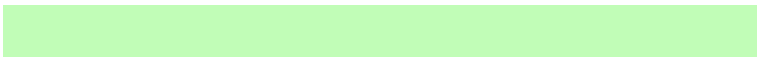
The Sweet Spot groups the original color and five complimentary colors.



86.7924, 0.2773, 0.3398



96.1474, 0.3019, 0.3319



85.0771, 0.3154, 0.4078



20.4341, 0.2999, 0.3324



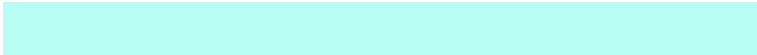
0.0000, 0.0000, 0.0000



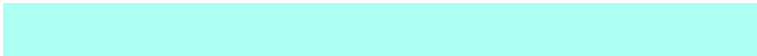
21.4041, 0.3127, 0.3290

Same Dimension

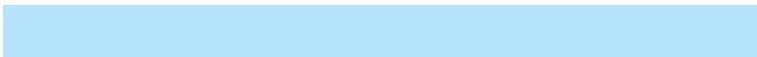
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7924, 0.2773, 0.3398



86.6291, 0.2713, 0.3422



72.9209, 0.2696, 0.3018



20.4341, 0.2999, 0.3324



40.0460, 0.2374, 0.3747



3.9109, 0.2358, 0.3689

Inverse Universe

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



58.5959, 0.3647, 0.3186



53.7440, 0.3788, 0.3165



69.1680, 0.3666, 0.3546



18.0294, 0.3272, 0.3256



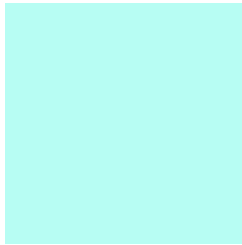
11.1898, 0.6212, 0.3196



1.1016, 0.5948, 0.3050

Previews

White Background



This preview shows how the Yxy color 86.7889, 0.2773, 0.3398 looks on a white background.

Color Contrast Check

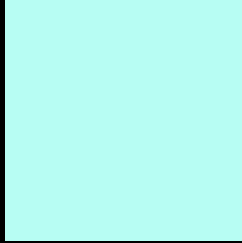
Large Text (above 18pt) WCAG AA × Fail

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 86.7889, 0.2773, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

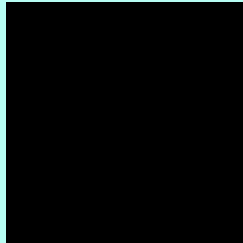
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.7889, 0.2773, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 86.7889, 0.2773, 0.3398.

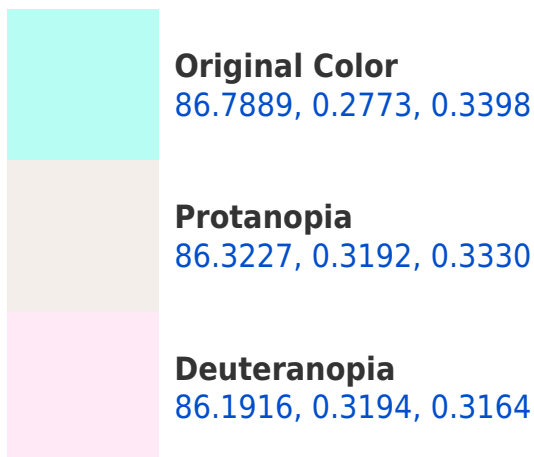


This preview shows how white text looks on a background with the Yxy color 86.7889, 0.2773, 0.3398.

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

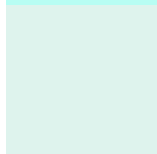
86.3684, 0.2884, 0.3176

Trichromacy



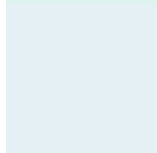
Original Color

86.7889, 0.2773, 0.3398



Protanomaly

85.7452, 0.3028, 0.3352



Deuteranomaly

85.5708, 0.3026, 0.3239



Tritanomaly

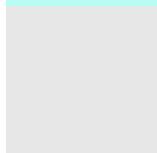
86.1831, 0.2837, 0.3247

Monochromacy



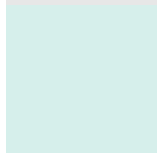
Original Color

86.7889, 0.2773, 0.3398



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.0273, 0.2990, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7889, 0.2773, 0.3398 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(183, 253, 243)` looks like.

```
.text, #text, p{  
    color:rgb(183, 253, 243)  
}
```

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(183, 253, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 253, 243) }
```

Border

The CSS property to change the border of an element to Yxy 86.7889, 0.2773, 0.3398 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(183, 253, 243) }
```

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

```
.border{ border-color:rgb(183, 253, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 253, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 253, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 253, 243);  
box-shadow:4px 4px 4px 4px rgb(183, 253,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7889, 0.2773, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 253, 243) }
```

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

```
.background{ background-color: rgb(183,  
253, 243) }
```

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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