

# Converting Colors

Yxy(106.1857, 0.2799, 0.3636)

Have a look what the booklet for  
Yxy(106.1857, 0.2799, 0.3636)  
contains.

<b>Yxy(88.8002, 0.2776, 0.3375)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(88.8002, 0.2776, 0.3375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBFFF7
RGB	187, 255, 247
RGB Percent	73%, 100%, 97%
CMY	0.2667, 0.0000, 0.0314
CMYK	0.27, 0.00, 0.03, 0.00
HSL	173°, 100%, 87%
HSV	173°, 27%, 100%
XYZ	73.0398, 88.8002, 101.2717
YIQ	233.7560, -37.9600, -16.9040

# Conversions

## Conversions Part 2

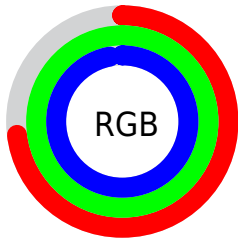
Format	Color
<b>RYB</b>	187, 223, 255
Decimal	12320759
CIELab	95.50, -22.61, -2.99
CIELCh	95, 22.810, 187.534
Yxy	88.8002, 0.2776, 0.3375
Android (android.graphics.Color)	4290510839 (0xFFBBFFF7)
YUV	233.7560, 6.5293, -41.0050
Hunter-Lab	94.2339, -26.5555, 2.2456

# Details

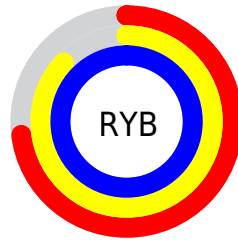
The Yxy color **88.8002, 0.2776, 0.3375** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.7429, 0.3637, 0.3208**, and the grayscale version is **82.0551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **49.0553, 0.2700, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **85.6797, 0.2663, 0.3412**, and if you desaturate by 10%, it is **92.4934, 0.2901, 0.3341**.

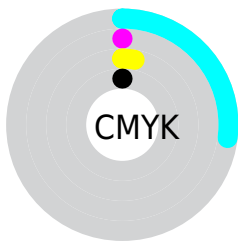
# Distribution



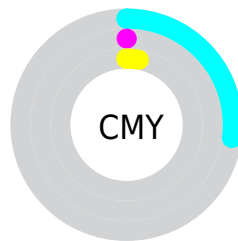
- Red (73%)
- Green (100%)
- Blue (97%)



- Red (73%)
- Yellow (87%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8002, 0.2776, 0.3375 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 88.8002, 0.2776, 0.3375 by changing the saturation by 10% instead.





 88.8002, 0.2776,  
0.3375

 88.8002, 0.2776,  
0.3375

524.1202, 0.2932,  
0.3339

 66.9860, 0.2742,  
0.3383


 145.6707, 0.2829,  
0.3363

 49.0732, 0.2701,  
0.3392

181.4957, 0.2850,  
0.3358

 34.6776, 0.2649,  
0.3403


222.7599, 0.2868,  
0.3354

 23.4146, 0.2584,  
0.3417

269.8474, 0.2884,  
0.3350

 14.9000, 0.2499,  
0.3435

323.1429, 0.2898,  
0.3347

 8.7492, 0.2382,  
0.3459

383.0305, 0.2910,

 4.5780, 0.2212,

0.3344

0.3491

449.8948, 0.2922,  
0.3341

■ 2.0018, 0.1945,  
0.3535

■ 0.6085, 0.0175,  
0.4039

■ 88.8002, 0.2776,  
0.3375

■ 88.8002, 0.2776,  
0.3375

■ 85.6797, 0.2663,  
0.3412

■ 92.4934, 0.2901,  
0.3341

■ 83.1037, 0.2565,  
0.3450

■ 96.7893, 0.3035,  
0.3309

■ 81.0384, 0.2484,  
0.3490

■ 100.0000, 0.3127,  
0.3290

■ 79.4472, 0.2422,  
0.3531

■ 78.2888, 0.2380,  
0.3573

■ 77.5143, 0.2357,  
0.3614

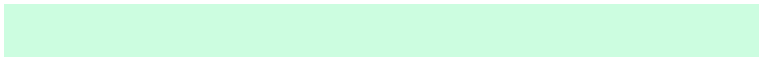
■ 77.0626, 0.2352,  
0.3655

■ 76.9529, 0.2353,  
0.3669

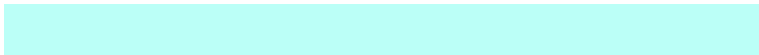
# Harmonies

## Analogous

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



88.8002, 0.2991, 0.3600



88.8002, 0.2776, 0.3375



88.8002, 0.2656, 0.3135

# Triad

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



88.8002, 0.2776, 0.3375



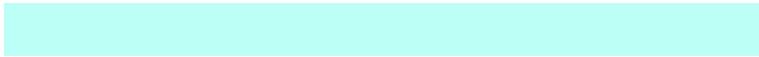
88.8002, 0.2991, 0.2889



88.8002, 0.3619, 0.3608

# Complementary

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



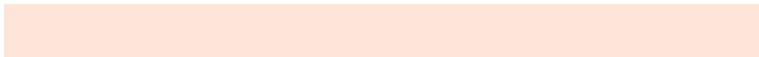
88.8002, 0.2776, 0.3375



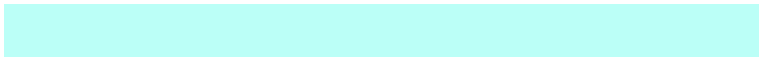
60.7429, 0.3637, 0.3208

# 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.



88.8002, 0.3623, 0.3412



88.8002, 0.2776, 0.3375



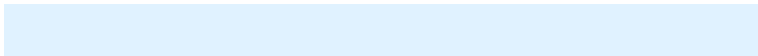
88.8002, 0.3252, 0.3008

# Square

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



88.8002, 0.2776, 0.3375



88.8002, 0.2776, 0.2867



88.8002, 0.3486, 0.3195

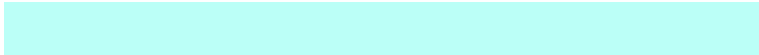


88.8002, 0.3480, 0.3730



# Rectangle

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



88.8002, 0.2776, 0.3375



88.8002, 0.2642, 0.3004



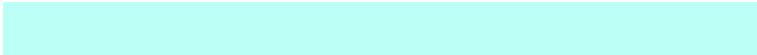
88.8002, 0.3486, 0.3195



88.8002, 0.3637, 0.3548

# Sweetspot

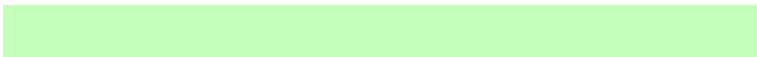
The Sweet Spot groups the original color and five complimentary colors.



88.7996, 0.2776, 0.3375



96.1802, 0.3016, 0.3313



86.8530, 0.3146, 0.4047



20.4424, 0.2996, 0.3318



0.0000, 0.0000, 0.0000

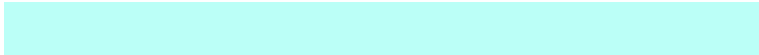


21.4041, 0.3127, 0.3290

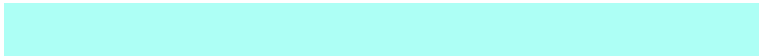


# Same Dimension

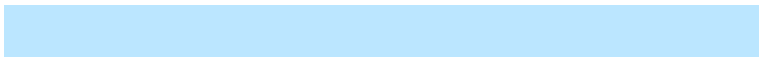
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7996, 0.2776, 0.3375



87.0657, 0.2714, 0.3394



74.4165, 0.2710, 0.3016



20.4424, 0.2996, 0.3318



40.2242, 0.2351, 0.3662



3.9265, 0.2338, 0.3615



# Inverse Universe

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



60.7429, 0.3637, 0.3208



54.7205, 0.3779, 0.3191



71.9026, 0.3639, 0.3548



18.0219, 0.3276, 0.3262



11.1689, 0.6259, 0.3222

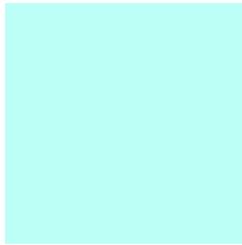


1.0981, 0.6022, 0.3091



# Previews

## White Background



This preview shows how the Yxy color 88.8002, 0.2776, 0.3375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

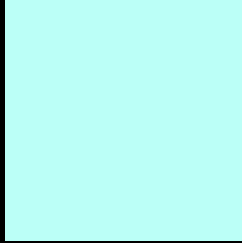
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8002, 0.2776, 0.3375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

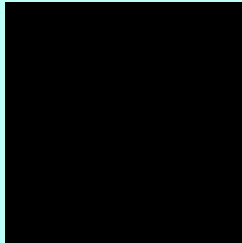
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

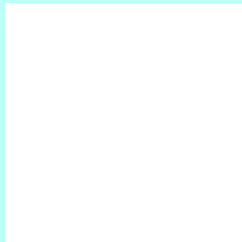
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.8002, 0.2776, 0.3375**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8002, 0.2776, 0.3375.

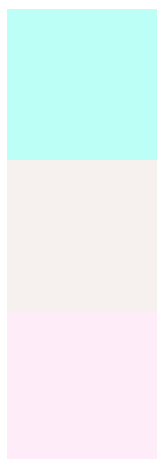


This preview shows how white text looks on a background with the Yxy color 88.8002, 0.2776, 0.3375.

# 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

88.8002, 0.2776, 0.3375

### Protanopia

88.0861, 0.3179, 0.3310

### Deuteranopia

88.0905, 0.3173, 0.3164



## Tritanopia

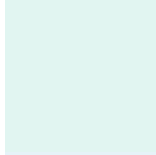
88.5037, 0.2920, 0.3198

# Trichromacy



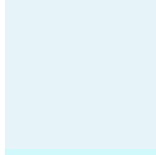
## Original Color

88.8002, 0.2776, 0.3375



## Protanomaly

87.6632, 0.3024, 0.3331



## Deuteranomaly

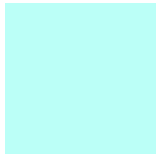
87.7015, 0.3015, 0.3239



## Tritanomaly

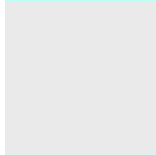
88.3349, 0.2867, 0.3258

# Monochromacy



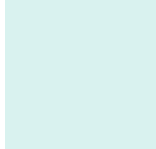
## Original Color

88.8002, 0.2776, 0.3375



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.4880, 0.2985, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8002, 0.2776, 0.3375 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(187, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 247)  
}
```

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(187, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8002, 0.2776, 0.3375 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(187, 255, 247) }
```

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

```
.border{ border-color:rgb(187, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(187, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8002, 0.2776, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 247) }
```

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

```
.background{ background-color: rgb(187,  
255, 247) }
```

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