

# Converting Colors

$Yxy(88.6005, 0.2731, 0.3279)$

Have a look what the booklet for  
Yxy(88.6005, 0.2731, 0.3279)  
contains.

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# Color

**Yxy(88.5427, 0.2730, 0.3278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFEFF
RGB	186, 254, 255
RGB Percent	73%, 100%, 100%
CMY	0.2707, 0.0039, 0.0000
CMYK	0.27, 0.00, 0.00, 0.00
HSL	181°, 100%, 86%
HSV	181°, 27%, 100%
XYZ	73.7406, 88.5427, 107.8287
YIQ	233.7820, -40.8490, -14.1050

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 220, 255
Decimal	12254975
CIELab	95.39, -20.69, -7.30
CIELCh	95, 21.939, 199.442
Yxy	88.5427, 0.2730, 0.3278
Android (android.graphics.Color)	4290445055 (0xFFBAFEFF)
YUV	233.7820, 10.4605, -41.9048
Hunter-Lab	94.0971, -24.7859, -2.0742

# Details

The Yxy color **88.5427, 0.2730, 0.3278** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.3354, 0.3714, 0.3302**, and the grayscale version is **82.0471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **48.8350, 0.2650, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **85.3986, 0.2605, 0.3273**, and if you desaturate by 10%, it is **92.2614, 0.2868, 0.3283**.

# Distribution



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



- Red (73%)
- Yellow (86%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5427, 0.2730, 0.3278 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 88.5427, 0.2730, 0.3278 by changing the saturation by 10% instead.




 88.5427, 0.2730,  
0.3278

 88.5427, 0.2730,  
0.3278

523.2788, 0.2905,  
0.3286

 66.7726, 0.2692,  
0.3276

 145.3125, 0.2789,  
0.3281

 48.8999, 0.2646,  
0.3272


181.0809, 0.2813,  
0.3282

 34.5400, 0.2588,  
0.3268


222.2843, 0.2833,  
0.3283

 23.3088, 0.2516,  
0.3262

269.3070, 0.2851,  
0.3284

 14.8217, 0.2421,  
0.3252

322.5334, 0.2867,  
0.3285

 8.6943, 0.2293,  
0.3237

382.3479, 0.2881,

 4.5423, 0.2108,

0.3285

0.3210

449.1349, 0.2894,  
0.3286

■ 1.9813, 0.1823,  
0.3155

■ 0.5966, 0.0338,  
0.3256

■ 88.5427, 0.2730,  
0.3278

■ 88.5427, 0.2730,  
0.3278

■ 85.3986, 0.2605,  
0.3273

■ 92.2614, 0.2868,  
0.3283

■ 82.7923, 0.2497,  
0.3269

■ 96.5764, 0.3017,  
0.3287

■ 80.6928, 0.2407,  
0.3264

100.0000, 0.3127,  
0.3290

■ 79.0635, 0.2336,  
0.3259

■ 77.8626, 0.2285,  
0.3254

■ 77.0410, 0.2253,  
0.3249

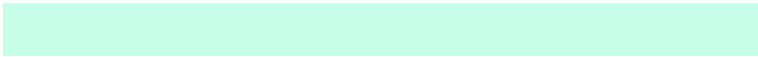
■ 76.5362, 0.2237,  
0.3244

■ 76.4204, 0.2234,  
0.3243

# Harmonies

## Analogous

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



88.5427, 0.2906, 0.3509



88.5427, 0.2730, 0.3278



88.5427, 0.2659, 0.3062

# Triad

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



88.5427, 0.2730, 0.3278



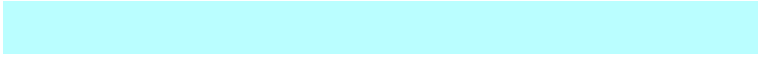
88.5427, 0.3094, 0.2939



88.5427, 0.3562, 0.3655

# Complementary

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



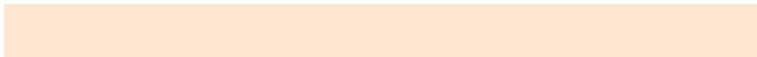
88.5427, 0.2730, 0.3278



60.3354, 0.3714, 0.3302

# 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.



88.5427, 0.3620, 0.3488



88.5427, 0.2730, 0.3278



88.5427, 0.3344, 0.3084

# Square

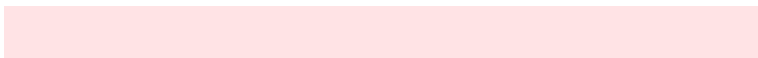
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



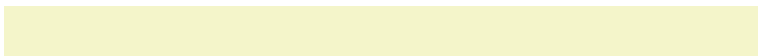
88.5427, 0.2730, 0.3278



88.5427, 0.2862, 0.2878



88.5427, 0.3539, 0.3281



88.5427, 0.3386, 0.3730

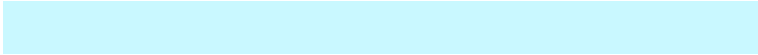


# Rectangle

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



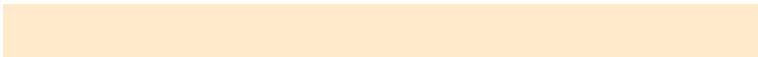
88.5427, 0.2730, 0.3278



88.5427, 0.2677, 0.2957



88.5427, 0.3539, 0.3281



88.5427, 0.3596, 0.3607

# Sweetspot

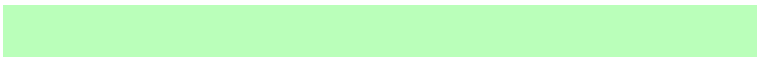
The Sweet Spot groups the original color and five complimentary colors.



88.5449, 0.2730, 0.3278



96.1469, 0.3003, 0.3287



85.5015, 0.3090, 0.4073



20.4339, 0.2980, 0.3286



0.0000, 0.0000, 0.0000

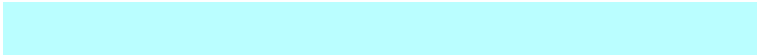


21.4041, 0.3127, 0.3290



# Same Dimension

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



88.5449, 0.2730, 0.3278



86.9228, 0.2667, 0.3276



69.1020, 0.2693, 0.2907



20.4339, 0.2980, 0.3286



39.9518, 0.2234, 0.3244



3.9038, 0.2236, 0.3249



# Inverse Universe

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



63.5271, 0.3166, 0.2623



58.4454, 0.3174, 0.2502



76.2494, 0.3624, 0.3644



18.2956, 0.3140, 0.3059



14.7611, 0.3245, 0.1562

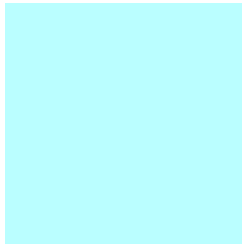


1.4386, 0.3241, 0.1559



# Previews

## White Background



This preview shows how the Yxy color 88.5427, 0.2730, 0.3278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

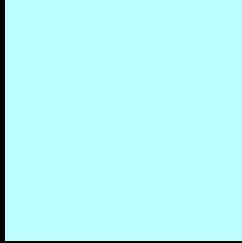
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5427, 0.2730, 0.3278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

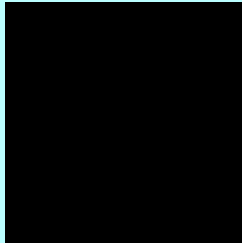
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.5427, 0.2730, 0.3278**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5427, 0.2730, 0.3278.

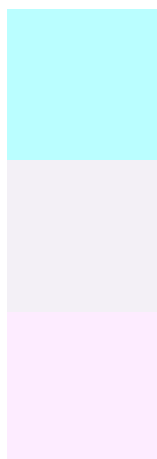


This preview shows how white text looks on a background with the Yxy color 88.5427, 0.2730, 0.3278.

# 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

88.5427, 0.2730, 0.3278

### Protanopia

88.0287, 0.3110, 0.3230

### Deuteranopia

88.0936, 0.3123, 0.3106



## Tritanopia

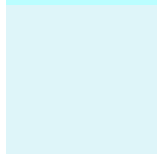
88.3472, 0.2914, 0.3198

# Trichromacy



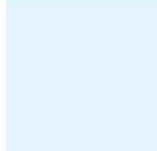
## Original Color

88.5427, 0.2730, 0.3278



## Protanomaly

87.6740, 0.2960, 0.3249



## Deuteranomaly

87.9792, 0.2968, 0.3169



## Tritanomaly

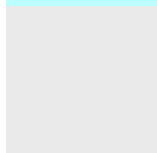
88.3813, 0.2846, 0.3227

# Monochromacy



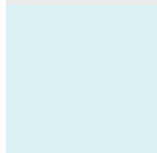
## Original Color

88.5427, 0.2730, 0.3278



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

84.0731, 0.2968, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5427, 0.2730, 0.3278 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(186, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 254, 255)  
}
```

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(186, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 254, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5427, 0.2730, 0.3278 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(186, 254, 255) }
```

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

```
.border{ border-color:rgb(186, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 254,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5427, 0.2730, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 254, 255) }
```

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

```
.background{ background-color: rgb(186,  
254, 255) }
```

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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