

# Converting Colors

$Y_{xy}(88.7002, 0.2757, 0.3270)$

Have a look what the booklet for  
Yxy(88.7002, 0.2757, 0.3270)  
contains.

|                                                |    |
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# Color

**Yxy(88.5469, 0.2755, 0.3268)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | BFFDFF                       |
| RGB         | 191, 253, 255                |
| RGB Percent | 75%, 99%, 100%               |
| CMY         | 0.2512, 0.0078, 0.0000       |
| CMYK        | 0.25, 0.01, 0.00, 0.00       |
| HSL         | 182°, 100%, 87%              |
| HSV         | 182°, 25%, 100%              |
| XYZ         | 74.6471, 88.5469, 107.7574   |
| YIQ         | 234.6900, -37.5940, -12.5220 |

# Conversions

## Conversions Part 2

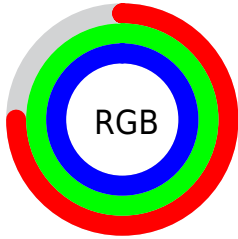
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 191, 222, 255                  |
| Decimal                             | 12582399                       |
| CIELab                              | 95.39, -18.82, -7.26           |
| CIELCh                              | 95, 20.171, 201.082            |
| Yxy                                 | 88.5469, 0.2755,<br>0.3268     |
| Android<br>(android.graphics.Color) | 4290772479<br>(0xFFBFFDFF)     |
| YUV                                 | 234.6900, 10.0128,<br>-38.3161 |
| Hunter-Lab                          | 94.0994, -23.0735,<br>-2.0261  |

# Details

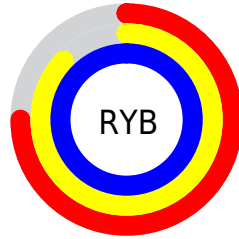
The Yxy color **88.5469, 0.2755, 0.3268** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.1162, 0.3657, 0.3312**, and the grayscale version is **82.7660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **48.7913, 0.2679, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **85.0338, 0.2626, 0.3258**, and if you desaturate by 10%, it is **92.6447, 0.2896, 0.3277**.

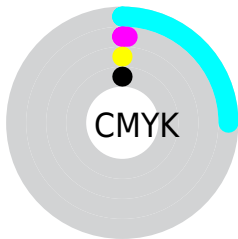
# Distribution



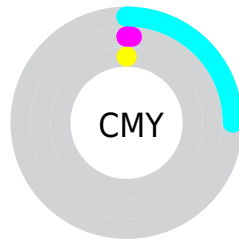
- Red (75%)
- Green (99%)
- Blue (100%)



- Red (75%)
- Yellow (87%)
- Blue (100%)



- Cyan (25%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5469, 0.2755, 0.3268 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 88.5469, 0.2755, 0.3268 by changing the saturation by 10% instead.




 88.5469, 0.2755,  
0.3268

 88.5469, 0.2755,  
0.3268


523.2926, 0.2919,  
0.3280

 66.7761, 0.2719,  
0.3265


 145.3183, 0.2811,  
0.3273

 48.9027, 0.2676,  
0.3261


181.0877, 0.2833,  
0.3274

 34.5423, 0.2622,  
0.3255


222.2921, 0.2852,  
0.3276

 23.3105, 0.2554,  
0.3247

269.3158, 0.2869,  
0.3277

 14.8230, 0.2465,  
0.3236

322.5434, 0.2883,  
0.3278

 8.6952, 0.2344,  
0.3219

382.3591, 0.2897,

 4.5429, 0.2169,

0.3279

0.3189

449.1473, 0.2909,  
0.3280

1.9817, 0.1898,  
0.3130

0.5968, 0.0575,  
0.3183

88.5469, 0.2755,  
0.3268

88.5469, 0.2755,  
0.3268

85.0338, 0.2626,  
0.3258

92.6447, 0.2896,  
0.3277

82.0646, 0.2513,  
0.3248

97.3440, 0.3047,  
0.3286

79.6107, 0.2417,  
0.3238

99.9996, 0.3127,  
0.3290

77.6358, 0.2341,  
0.3227

■ 76.0995, 0.2284,  
0.3217

■ 74.9544, 0.2246,  
0.3206

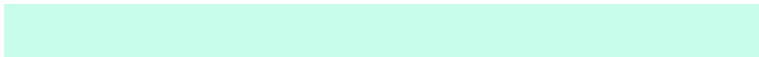
■ 74.1421, 0.2226,  
0.3196

■ 73.8260, 0.2220,  
0.3191

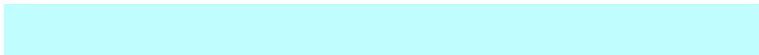
# Harmonies

## Analogous

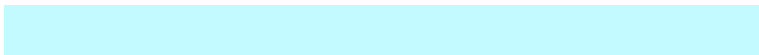
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5469, 0.2913, 0.3480



88.5469, 0.2755, 0.3268



88.5469, 0.2695, 0.3072

# Triad

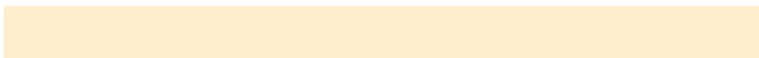
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5469, 0.2755, 0.3268



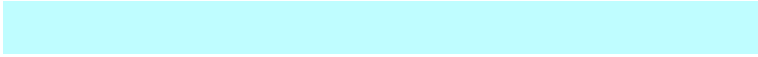
88.5469, 0.3110, 0.2971



88.5469, 0.3520, 0.3632

# Complementary

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



88.5469, 0.2755, 0.3268



63.1162, 0.3657, 0.3312

# 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.



88.5469, 0.3580, 0.3483



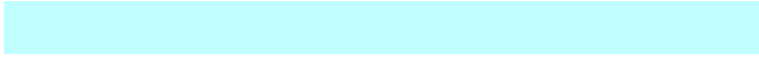
88.5469, 0.2755, 0.3268



88.5469, 0.3338, 0.3109

# Square

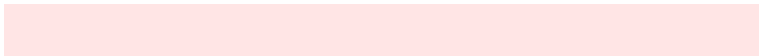
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.5469, 0.2755, 0.3268



88.5469, 0.2894, 0.2911



88.5469, 0.3513, 0.3293



88.5469, 0.3354, 0.3694

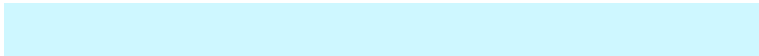


# Rectangle

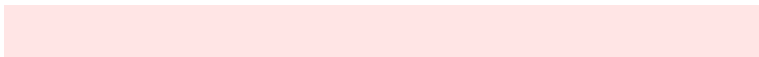
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.5469, 0.2755, 0.3268



88.5469, 0.2716, 0.2977



88.5469, 0.3513, 0.3293



88.5469, 0.3554, 0.3590

# Sweetspot

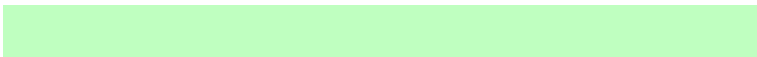
The Sweet Spot groups the original color and five complimentary colors.



88.5505, 0.2755, 0.3268



95.9339, 0.3003, 0.3283



86.3892, 0.3088, 0.3997



20.3798, 0.2980, 0.3282



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

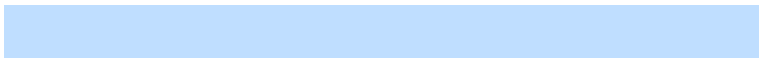
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5505, 0.2755, 0.3268



86.7700, 0.2690, 0.3263



70.4746, 0.2724, 0.2926



20.3798, 0.2980, 0.3282



38.6210, 0.2220, 0.3193



3.7894, 0.2224, 0.3205



# Inverse Universe

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



65.5846, 0.3171, 0.2680



60.3693, 0.3180, 0.2562



78.3454, 0.3580, 0.3628



18.2901, 0.3143, 0.3063



14.6268, 0.3288, 0.1585

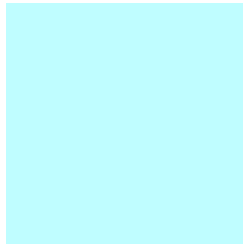


1.4271, 0.3278, 0.1580



# Previews

## White Background



This preview shows how the Yxy color 88.5469, 0.2755, 0.3268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

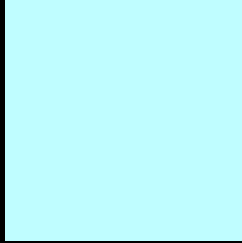
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5469, 0.2755, 0.3268 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

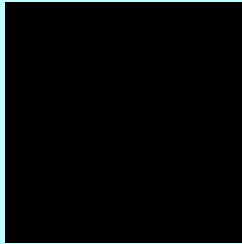
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.5469, 0.2755, 0.3268**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5469, 0.2755, 0.3268.

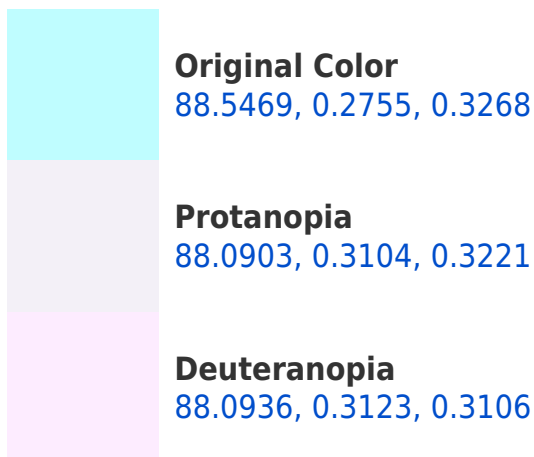


This preview shows how white text looks on a background with the Yxy color 88.5469, 0.2755, 0.3268.

# 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

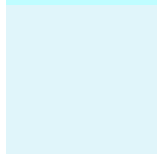
87.8970, 0.2920, 0.3188

# Trichromacy



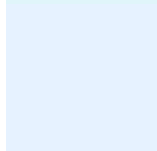
## Original Color

88.5469, 0.2755, 0.3268



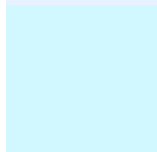
## Protanomaly

88.0542, 0.2966, 0.3239



## Deuteranomaly

87.5473, 0.2974, 0.3159



## Tritanomaly

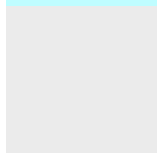
88.0564, 0.2857, 0.3217

# Monochromacy



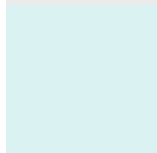
## Original Color

88.5469, 0.2755, 0.3268



## Achromatopsia

83.0770, 0.3127, 0.3290



## Achromatomaly

84.9751, 0.2981, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5469, 0.2755, 0.3268 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(191, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 253, 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(191, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 253, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5469, 0.2755, 0.3268 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(191, 253, 255) }
```

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

```
.border{ border-color:rgb(191, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 253,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5469, 0.2755, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 253, 255) }
```

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

```
.background{ background-color: rgb(191,  
253, 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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