

# Converting Colors

$Yxy(88.2829, 0.2766, 0.3392)$

Have a look what the booklet for  
Yxy(88.2829, 0.2766, 0.3392)  
contains.

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# Color

**Yxy(88.3029, 0.2770, 0.3397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8FFF5
RGB	184, 255, 245
RGB Percent	72%, 100%, 96%
CMY	0.2785, 0.0000, 0.0392
CMYK	0.28, 0.00, 0.04, 0.00
HSL	172°, 100%, 86%
HSV	172°, 28%, 100%
XYZ	72.0044, 88.3029, 99.6364
YIQ	232.6310, -39.1060, -18.1620

# Conversions

## Conversions Part 2

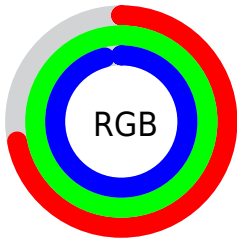
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 222, 255
Decimal	12124149
CIELab	95.29, -23.89, -2.29
CIELCh	95, 23.998, 185.485
Yxy	88.3029, 0.2770, 0.3397
Android (android.graphics.Color)	4290314229 (0xFFB8FFF5)
YUV	232.6310, 6.0979, -42.6494
Hunter-Lab	93.9696, -27.6708, 2.9133

# Details

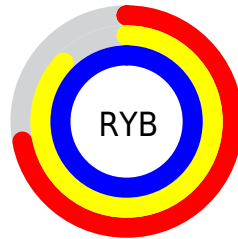
The Yxy color **88.3029, 0.2770, 0.3397** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.4260, 0.3653, 0.3187**, and the grayscale version is **81.1636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **48.7294, 0.2694, 0.3415** is the 20% darker color. If you saturate the color by 10%, you get **85.2134, 0.2661, 0.3441**, and if you desaturate by 10%, it is **91.9594, 0.2891, 0.3356**.

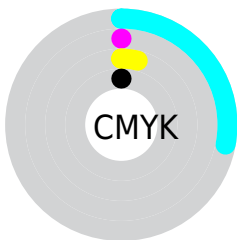
# Distribution



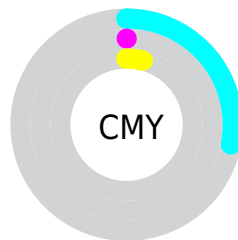
- Red (72%)
- Green (100%)
- Blue (96%)



- Red (72%)
- Yellow (87%)
- Blue (100%)



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.3029, 0.2770, 0.3397 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 88.3029, 0.2770, 0.3397 by changing the saturation by 10% instead.





 88.3029, 0.2770,  
0.3397

 88.3029, 0.2770,  
0.3397


522.4947, 0.2929,  
0.3350

 66.5740, 0.2735,  
0.3407


 144.9788, 0.2824,  
0.3381

 48.7385, 0.2693,  
0.3419


180.6945, 0.2845,  
0.3375

 34.4121, 0.2641,  
0.3434


221.8413, 0.2864,  
0.3370

 23.2103, 0.2574,  
0.3452

268.8035, 0.2880,  
0.3365

 14.7489, 0.2486,  
0.3476

321.9655, 0.2894,  
0.3361

 8.6433, 0.2366,  
0.3508

381.7118, 0.2907,

 4.5093, 0.2192,

0.3357

0.3553

448.4267, 0.2918,  
0.3354

1.9623, 0.1916,  
0.3619

0.5855, 0.0000,  
0.4232

88.3029, 0.2770,  
0.3397

88.3029, 0.2770,  
0.3397

85.2134, 0.2661,  
0.3441

91.9594, 0.2891,  
0.3356

82.6675, 0.2567,  
0.3488

96.2183, 0.3021,  
0.3318

80.6296, 0.2490,  
0.3537

100.0000, 0.3127,  
0.3290

79.0624, 0.2432,  
0.3586

■ 77.9238, 0.2394,  
0.3637

■ 77.1639, 0.2375,  
0.3687

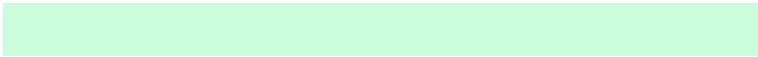
■ 76.7162, 0.2373,  
0.3737

■ 76.6401, 0.2374,  
0.3747

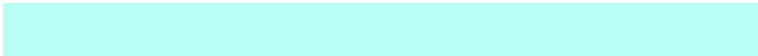
# Harmonies

## Analogous

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



88.3029, 0.3001, 0.3630



88.3029, 0.2770, 0.3397



88.3029, 0.2636, 0.3142

# Triad

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



88.3029, 0.2770, 0.3397



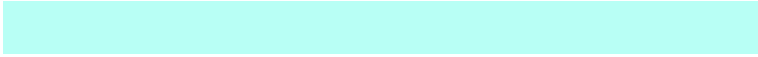
88.3029, 0.2966, 0.2863



88.3029, 0.3651, 0.3612

# Complementary

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



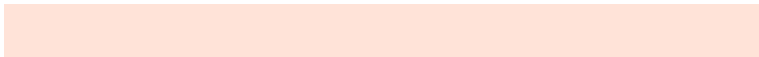
88.3029, 0.2770, 0.3397



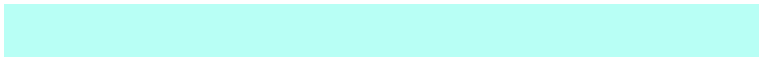
59.4260, 0.3653, 0.3187

# 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.



88.3029, 0.3644, 0.3401



88.3029, 0.2770, 0.3397



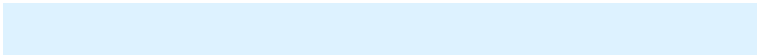
88.3029, 0.3239, 0.2982

# Square

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



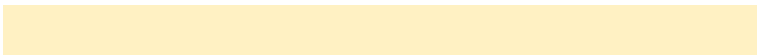
88.3029, 0.2770, 0.3397



88.3029, 0.2745, 0.2847



88.3029, 0.3491, 0.3175

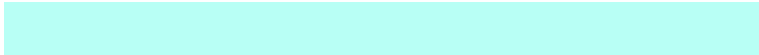


88.3029, 0.3512, 0.3749



# Rectangle

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



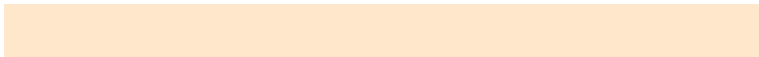
88.3029, 0.2770, 0.3397



88.3029, 0.2616, 0.3000



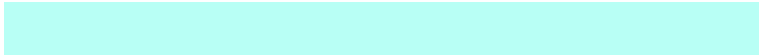
88.3029, 0.3491, 0.3175



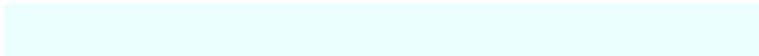
88.3029, 0.3666, 0.3547

# Sweetspot

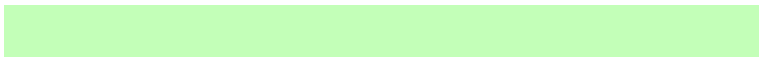
The Sweet Spot groups the original color and five complimentary colors.



88.3005, 0.2770, 0.3397



96.1506, 0.3019, 0.3318



86.5329, 0.3154, 0.4084



20.4349, 0.2999, 0.3324



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

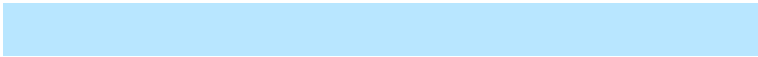
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.3005, 0.2770, 0.3397



86.6415, 0.2712, 0.3419



74.0807, 0.2693, 0.3016



20.4349, 0.2999, 0.3324



40.0630, 0.2372, 0.3739



3.9124, 0.2356, 0.3682



# Inverse Universe

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



59.4260, 0.3653, 0.3187



53.7354, 0.3790, 0.3168



70.2403, 0.3670, 0.3548



18.0287, 0.3272, 0.3257



11.1876, 0.6217, 0.3198

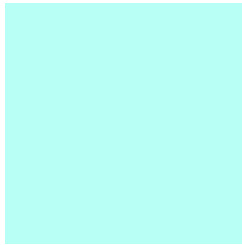


1.1013, 0.5955, 0.3054



# Previews

## White Background



This preview shows how the Yxy color 88.3029, 0.2770, 0.3397 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

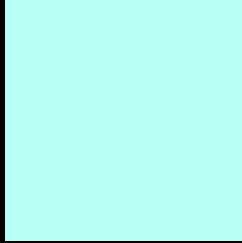
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.3029, 0.2770, 0.3397 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 88.3029, 0.2770, 0.3397**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.3029, 0.2770, 0.3397.

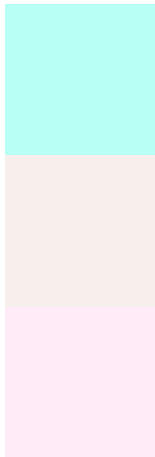


This preview shows how white text looks on a background with the Yxy color 88.3029, 0.2770, 0.3397.

# 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**

88.3029, 0.2770, 0.3397

**Protanopia**

87.3820, 0.3192, 0.3320

**Deuteranopia**

87.3921, 0.3186, 0.3174



## Tritanopia

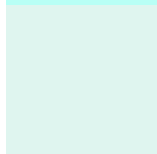
87.5849, 0.2908, 0.3187

# Trichromacy



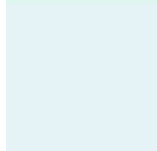
## Original Color

88.3029, 0.2770, 0.3397



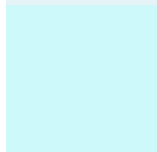
## Protanomaly

87.2248, 0.3023, 0.3352



## Deuteranomaly

86.8161, 0.3020, 0.3249



## Tritanomaly

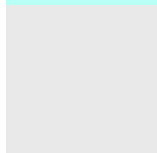
87.8382, 0.2855, 0.3268

# Monochromacy



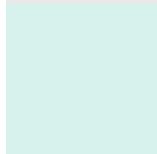
## Original Color

88.3029, 0.2770, 0.3397



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.4721, 0.2984, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.3029, 0.2770, 0.3397 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(184, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 245)  
}
```

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(184, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 88.3029, 0.2770, 0.3397 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(184, 255, 245) }
```

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

```
.border{ border-color:rgb(184, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.3029, 0.2770, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 245) }
```

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

```
.background{ background-color: rgb(184,  
255, 245) }
```

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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