

# Converting Colors

$Yxy(89.5692, 0.2731, 0.3044)$

Have a look what the booklet for  
Yxy(89.5692, 0.2731, 0.3044)  
contains.

<b>Yxy(88.5704, 0.2829, 0.3237)</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(88.5704, 0.2829, 0.3237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDFAFF
RGB	205, 250, 255
RGB Percent	80%, 98%, 100%
CMY	0.1962, 0.0196, 0.0000
CMYK	0.20, 0.02, 0.00, 0.00
HSL	186°, 100%, 90%
HSV	186°, 20%, 100%
XYZ	77.4068, 88.5704, 107.6416
YIQ	237.1150, -28.4250, -7.9850

# Conversions

## Conversions Part 2

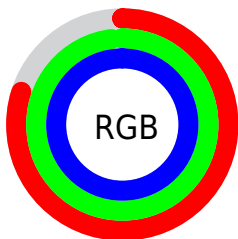
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 229, 255
Decimal	13499135
CIE Lab	95.40, -13.25, -7.17
CIE LCh	95, 15.061, 208.415
Yxy	88.5704, 0.2829, 0.3237
Android (android.graphics.Color)	4291689215 (0xFFCDDFAFF)
YUV	237.1150, 8.8173, -28.1649
Hunter-Lab	94.1118, -17.8799, -1.9354

# Details

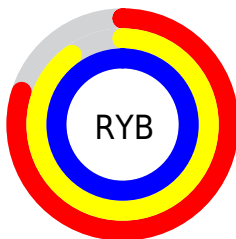
The Yxy color **88.5704, 0.2829, 0.3237** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.7340, 0.3508, 0.3342**, and the grayscale version is **84.7244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7012, 0.2768, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **83.6685, 0.2689, 0.3207**, and if you desaturate by 10%, it is **94.0888, 0.2978, 0.3265**.

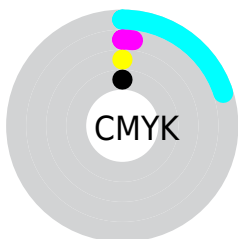
# Distribution



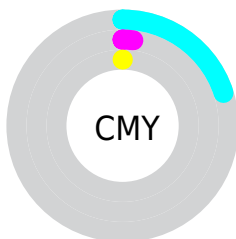
- Red (80%)
- Green (98%)
- Blue (100%)



- Red (80%)
- Yellow (90%)
- Blue (100%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5704, 0.2829, 0.3237 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 88.5704, 0.2829, 0.3237 by changing the saturation by 10% instead.




 88.5704, 0.2829,  
0.3237

 88.5704, 0.2829,  
0.3237

523.3694, 0.2961,  
0.3262

 66.7956, 0.2800,  
0.3231


145.3510, 0.2874,  
0.3246

 48.9185, 0.2765,  
0.3224


181.1256, 0.2891,  
0.3249

 34.5548, 0.2722,  
0.3214


222.3355, 0.2907,  
0.3252

 23.3202, 0.2667,  
0.3202

269.3652, 0.2920,  
0.3255

 14.8301, 0.2595,  
0.3185

322.5990, 0.2932,  
0.3257

 8.7002, 0.2496,  
0.3160

382.4214, 0.2943,

 4.5462, 0.2353,

0.3259

0.3120

449.2167, 0.2952,  
0.3261

■ 1.9835, 0.2128,  
0.3050

■ 0.5979, 0.1220,  
0.2979

■ 88.5704, 0.2829,  
0.3237

■ 88.5704, 0.2829,  
0.3237

■ 83.6685, 0.2689,  
0.3207

■ 94.0888, 0.2978,  
0.3265

■ 79.3480, 0.2561,  
0.3175

100.0000, 0.3127,  
0.3290

■ 75.5800, 0.2448,  
0.3142

■ 72.3305, 0.2352,  
0.3107

■ 69.5614, 0.2276,  
0.3072

■ 67.2295, 0.2219,  
0.3038

■ 65.2830, 0.2181,  
0.3003

■ 63.6410, 0.2158,  
0.2969

■ 63.5816, 0.2158,  
0.2968

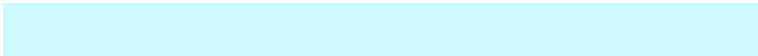
# Harmonies

## Analogous

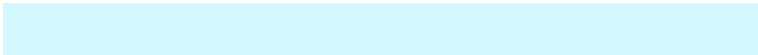
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5704, 0.2933, 0.3395



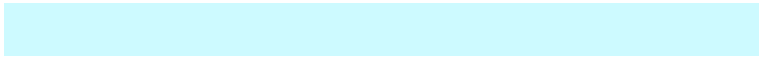
88.5704, 0.2829, 0.3237



88.5704, 0.2803, 0.3100

# Triad

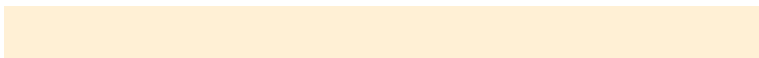
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5704, 0.2829, 0.3237



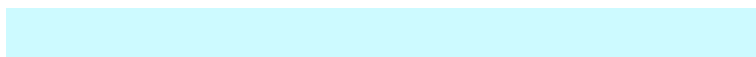
88.5704, 0.3158, 0.3070



88.5704, 0.3397, 0.3565

# Complementary

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



88.5704, 0.2829, 0.3237



71.7340, 0.3508, 0.3342

# 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.



88.5704, 0.3462, 0.3469



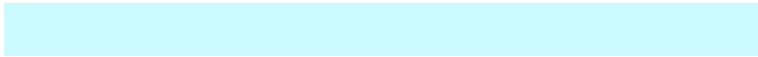
88.5704, 0.2829, 0.3237



88.5704, 0.3322, 0.3186

# Square

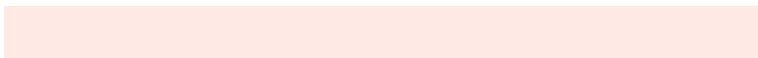
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.5704, 0.2829, 0.3237



88.5704, 0.2990, 0.3009



88.5704, 0.3435, 0.3330



88.5704, 0.3260, 0.3588

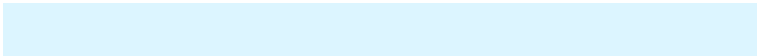


# Rectangle

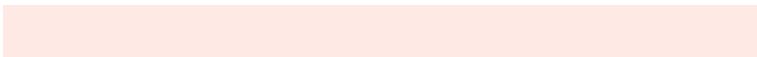
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



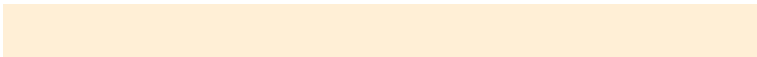
88.5704, 0.2829, 0.3237



88.5704, 0.2833, 0.3038



88.5704, 0.3435, 0.3330



88.5704, 0.3428, 0.3540

# Sweetspot

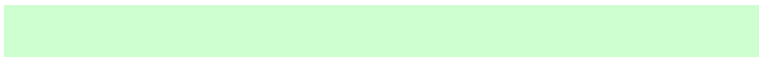
The Sweet Spot groups the original color and five complimentary colors.



88.5726, 0.2829, 0.3237



96.2436, 0.3034, 0.3275



89.1036, 0.3079, 0.3786



20.5156, 0.3024, 0.3273



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.



88.5726, 0.2829, 0.3237



86.3523, 0.2767, 0.3224



74.4836, 0.2813, 0.2978



20.1537, 0.2980, 0.3266



33.3489, 0.2159, 0.2973



3.3329, 0.2170, 0.3012



# Inverse Universe

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



71.8071, 0.3185, 0.2847



66.5879, 0.3199, 0.2746



84.5974, 0.3462, 0.3584



18.2673, 0.3153, 0.3079



14.0946, 0.3478, 0.1690



1.3810, 0.3443, 0.1671



# Previews

## White Background



This preview shows how the Yxy color 88.5704, 0.2829, 0.3237 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

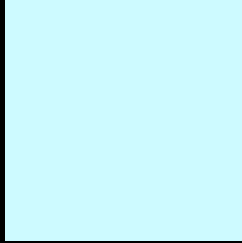
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5704, 0.2829, 0.3237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

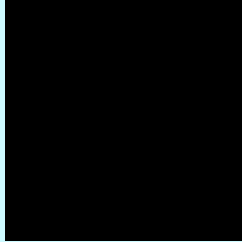
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

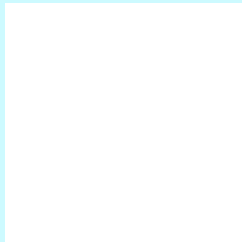
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.5704, 0.2829, 0.3237**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5704, 0.2829, 0.3237.

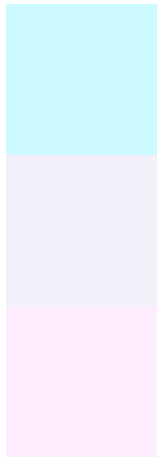


This preview shows how white text looks on a background with the Yxy color 88.5704, 0.2829, 0.3237.

# 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

88.5704, 0.2829, 0.3237

### Protanopia

88.2144, 0.3092, 0.3201

### Deuteranopia

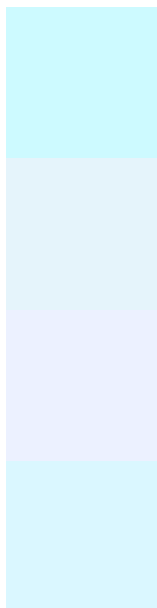
88.2817, 0.3129, 0.3107



## Tritanopia

88.5324, 0.2944, 0.3188

# Trichromacy



## Original Color

88.5704, 0.2829, 0.3237

## Protanomaly

88.3244, 0.2991, 0.3219

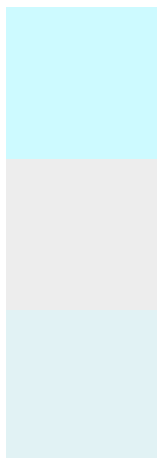
## Deuteranomaly

87.9635, 0.3012, 0.3150

## Tritanomaly

88.6470, 0.2903, 0.3208

# Monochromacy



## Original Color

88.5704, 0.2829, 0.3237

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

86.0435, 0.3007, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5704, 0.2829, 0.3237 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(205, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 250, 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(205, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 250, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5704, 0.2829, 0.3237 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(205, 250, 255) }
```

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

```
.border{ border-color:rgb(205, 250, 255) }
```

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

Here you see how a box with a 4 pixel rgb(205, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 250,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5704, 0.2829, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 250, 255) }
```

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

```
.background{ background-color: rgb(205,  
250, 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](#).

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