

# Converting Colors

$Yxy(92.3857, 0.2569, 0.2658)$

Have a look what the booklet for  
Yxy(92.3857, 0.2569, 0.2658)  
contains.

<b>Yxy(88.0564, 0.2857, 0.3217)</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(88.0564, 0.2857, 0.3217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F8FF
RGB	210, 248, 255
RGB Percent	82%, 97%, 100%
CMY	0.1763, 0.0275, 0.0001
CMYK	0.18, 0.03, 0.00, 0.00
HSL	189°, 100%, 91%
HSV	189°, 18%, 100%
XYZ	78.2024, 88.0564, 107.4633
YIQ	237.4360, -24.8950, -5.8790

# Conversions

## Conversions Part 2

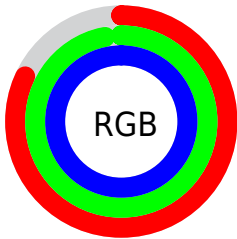
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 231, 255
Decimal	13826303
CIE Lab	95.18, -10.72, -7.43
CIE LCh	95, 13.044, 214.719
Yxy	88.0564, 0.2857, 0.3217
Android (android.graphics.Color)	4292016383 (0xFFD2F8FF)
YUV	237.4360, 8.6591, -24.0614
Hunter-Lab	93.8384, -15.4600, -2.2118

# Details

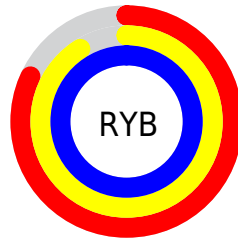
The Yxy color **88.0564, 0.2857, 0.3217** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.5529, 0.3457, 0.3362**, and the grayscale version is **84.9954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7451, 0.2802, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **82.1990, 0.2712, 0.3171**, and if you desaturate by 10%, it is **94.5689, 0.3009, 0.3260**.

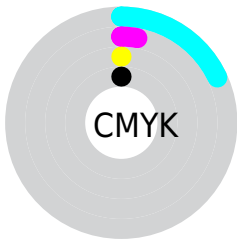
# Distribution



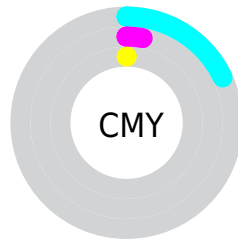
- Red (82%)
- Green (97%)
- Blue (100%)



- Red (82%)
- Yellow (91%)
- Blue (100%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.0564, 0.2857, 0.3217 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 88.0564, 0.2857, 0.3217 by changing the saturation by 10% instead.



88.0564, 0.2857,  
0.3217

88.0564, 0.2857,  
0.3217

521.6879, 0.2977,  
0.3251

66.3698, 0.2831,  
0.3209

144.6357, 0.2898,  
0.3229

48.5726, 0.2799,  
0.3200

180.2971, 0.2914,  
0.3233

34.2806, 0.2760,  
0.3187

221.3856, 0.2928,  
0.3237

23.1092, 0.2709,  
0.3172

268.2856, 0.2940,  
0.3241

14.6742, 0.2643,  
0.3150

321.3814, 0.2951,  
0.3244

8.5910, 0.2553,  
0.3119

381.0575, 0.2960,

4.4754, 0.2421,

0.3247

0.3071

447.6982, 0.2969,  
0.3249

■ 1.9429, 0.2214,  
0.2989

■ 0.5740, 0.1409,  
0.2851

■ 88.0564, 0.2857,  
0.3217

■ 88.0564, 0.2857,  
0.3217

■ 82.1990, 0.2712,  
0.3171

■ 94.5689, 0.3009,  
0.3260

■ 76.9574, 0.2577,  
0.3121

99.9986, 0.3127,  
0.3290

■ 72.3044, 0.2454,  
0.3068

■ 68.2064, 0.2348,  
0.3014

■ 64.6261, 0.2260,  
0.2958

■ 61.5212, 0.2191,  
0.2902

■ 58.8417, 0.2142,  
0.2846

■ 56.5221, 0.2111,  
0.2791

■ 56.0005, 0.2105,  
0.2778

# Harmonies

## Analogous

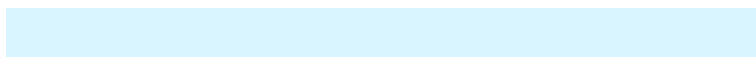
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0564, 0.2935, 0.3353



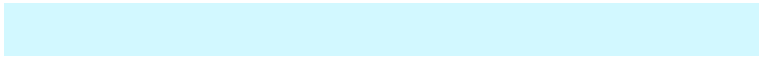
88.0564, 0.2857, 0.3217



88.0564, 0.2850, 0.3105

# Triad

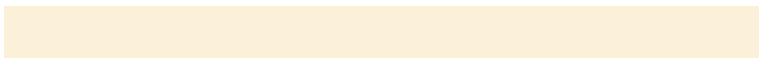
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.0564, 0.2857, 0.3217



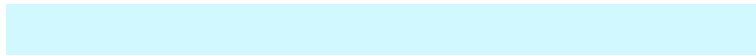
88.0564, 0.3186, 0.3116



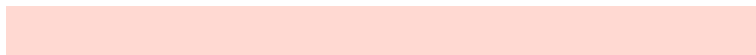
88.0564, 0.3341, 0.3538

# Complementary

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



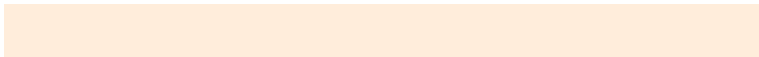
88.0564, 0.2857, 0.3217



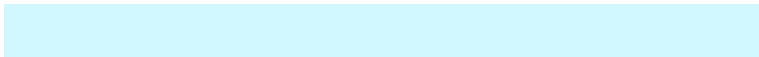
75.5529, 0.3457, 0.3362

# 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.



88.0564, 0.3412, 0.3467



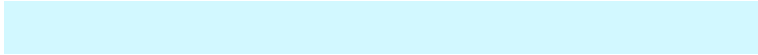
88.0564, 0.2857, 0.3217



88.0564, 0.3322, 0.3225

# Square

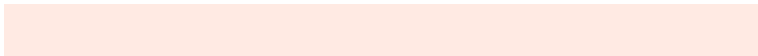
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.0564, 0.2857, 0.3217



88.0564, 0.3037, 0.3051



88.0564, 0.3405, 0.3353

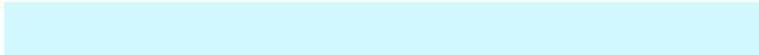


88.0564, 0.3213, 0.3542

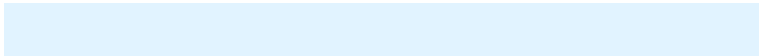


# Rectangle

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



88.0564, 0.2857, 0.3217



88.0564, 0.2886, 0.3059



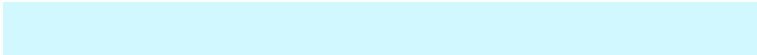
88.0564, 0.3405, 0.3353



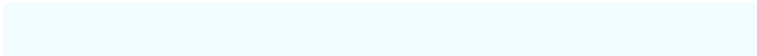
88.0564, 0.3372, 0.3521

# Sweetspot

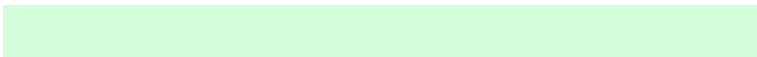
The Sweet Spot groups the original color and five complimentary colors.



88.0600, 0.2857, 0.3217



96.4038, 0.3049, 0.3271



90.2139, 0.3067, 0.3697



20.5292, 0.3038, 0.3268



0.0000, 0.0000, 0.0000

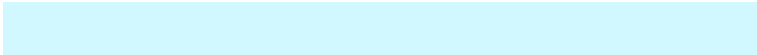


21.4041, 0.3127, 0.3290

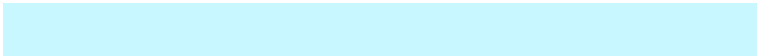


# Same Dimension

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



88.0600, 0.2857, 0.3217



86.0249, 0.2807, 0.3202



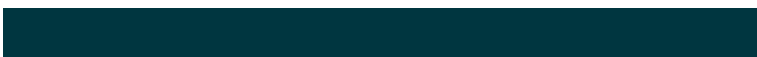
75.1971, 0.2845, 0.2981



19.9722, 0.2980, 0.3252



29.4479, 0.2108, 0.2787



2.9911, 0.2125, 0.2850



# Inverse Universe

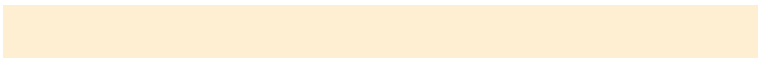
The Inverse Universe completely reimagines the original color for something new.



74.1500, 0.3195, 0.2917



69.9390, 0.3210, 0.2843



87.7928, 0.3419, 0.3581



18.2490, 0.3162, 0.3092



13.7007, 0.3647, 0.1783

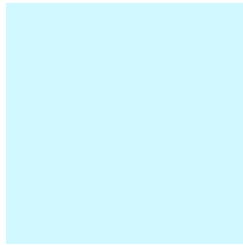


1.3465, 0.3589, 0.1751



# Previews

## White Background



This preview shows how the Yxy color 88.0564, 0.2857, 0.3217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

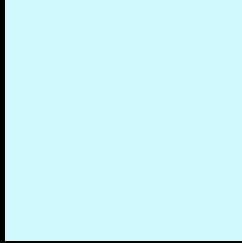
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.0564, 0.2857, 0.3217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

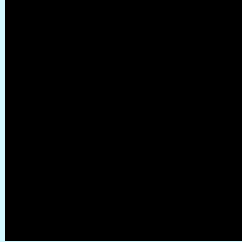
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

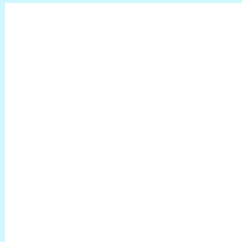
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.0564, 0.2857, 0.3217**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.0564, 0.2857, 0.3217.

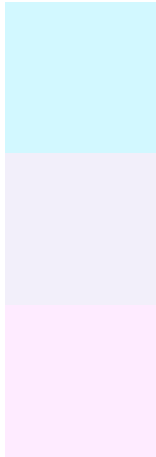


This preview shows how white text looks on a background with the Yxy color 88.0564, 0.2857, 0.3217.

# 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

88.0564, 0.2857, 0.3217

### Protanopia

87.5124, 0.3080, 0.3181

### Deuteranopia

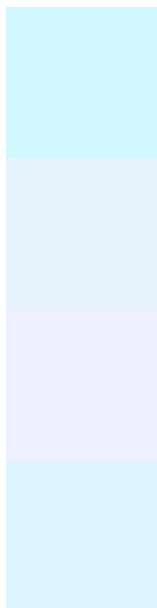
87.7075, 0.3130, 0.3097



## Tritanopia

87.9289, 0.2944, 0.3178

# Trichromacy



## Original Color

88.0564, 0.2857, 0.3217

## Protanomaly

87.3555, 0.2992, 0.3189

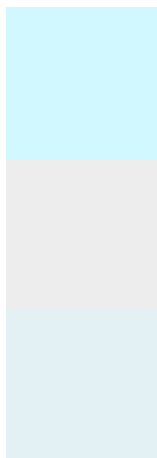
## Deuteranomaly

87.7173, 0.3025, 0.3141

## Tritanomaly

87.7405, 0.2914, 0.3187

# Monochromacy



## Original Color

88.0564, 0.2857, 0.3217

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.7731, 0.3019, 0.3259

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.0564, 0.2857, 0.3217 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(210, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 248, 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(210, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 248, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 88.0564, 0.2857, 0.3217 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(210, 248, 255) }
```

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

```
.border{ border-color:rgb(210, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 248,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.0564, 0.2857, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 248, 255) }
```

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

```
.background{ background-color: rgb(210,  
248, 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