

# Converting Colors

$Yxy(87.3050, 0.2862, 0.3251)$

Have a look what the booklet for  
Yxy(87.3050, 0.2862, 0.3251)  
contains.

<b>Yxy(87.5097, 0.2866, 0.3258)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(87.5097, 0.2866, 0.3258)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0F8FB
RGB	208, 248, 251
RGB Percent	82%, 97%, 98%
CMY	0.1846, 0.0274, 0.0156
CMYK	0.17, 0.01, 0.00, 0.02
HSL	184°, 84%, 90%
HSV	184°, 17%, 98%
XYZ	76.9806, 87.5097, 104.1091
YIQ	236.3820, -24.8030, -7.5470

# Conversions

## Conversions Part 2

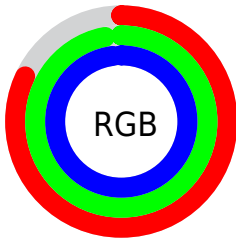
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 229, 251
Decimal	13695227
CIE Lab	94.95, -12.18, -5.73
CIE LCh	95, 13.462, 205.205
Yxy	87.5097, 0.2866, 0.3258
Android (android.graphics.Color)	4291885307 (0xFFD0F8FB)
YUV	236.3820, 7.2067, -24.8910
Hunter-Lab	93.5466, -16.8169, -0.5019

# Details

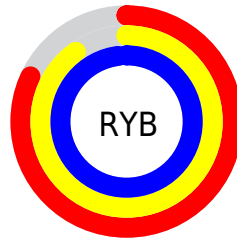
The Yxy color **87.5097, 0.2866, 0.3258** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.6178, 0.3453, 0.3322**, and the grayscale version is **84.1413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4117, 0.2808, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **83.0918, 0.2725, 0.3237**, and if you desaturate by 10%, it is **92.5205, 0.3016, 0.3277**.

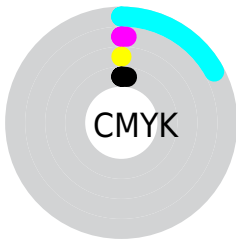
# Distribution



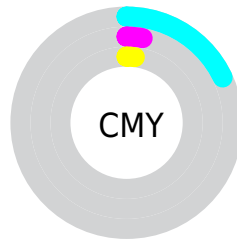
- Red (82%)
- Green (97%)
- Blue (98%)



- Red (82%)
- Yellow (90%)
- Blue (98%)



- Cyan (17%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)




- Cyan (18%)
- Magenta (3%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5097, 0.2866, 0.3258 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 87.5097, 0.2866, 0.3258 by changing the saturation by 10% instead.




 87.5097, 0.2866,  
0.3258

 87.5097, 0.2866,  
0.3258


519.8963, 0.2982,  
0.3274

 65.9171, 0.2841,  
0.3254


143.8744, 0.2905,  
0.3264

 48.2051, 0.2810,  
0.3250


179.4152, 0.2921,  
0.3266

 33.9893, 0.2771,  
0.3244

220.3742, 0.2934,  
0.3267

 22.8854, 0.2722,  
0.3236

267.1359, 0.2946,  
0.3269

 14.5089, 0.2658,  
0.3225

320.0845, 0.2957,  
0.3270

 8.4755, 0.2569,  
0.3208


379.6045, 0.2966,


 4.4007, 0.2440,

0.3272

0.3182


446.0803, 0.2975,  
0.3273


 1.9001, 0.2234,  
0.3133


 0.5485, 0.1265,  
0.3097


 87.5097, 0.2866,  
0.3258

 87.5097, 0.2866,  
0.3258

 83.0918, 0.2725,  
0.3237


 92.5205, 0.3016,  
0.3277


 79.2290, 0.2596,  
0.3215

 97.5377, 0.3152,  
0.3295

 75.8957, 0.2483,  
0.3193

 98.6356, 0.3151,  
0.3311

 73.0598, 0.2386,  
0.3169

 99.7435, 0.3150,  
0.3328

70.6860, 0.2309,  
0.3145

99.7458, 0.3150,  
0.3328

68.7341, 0.2251,  
0.3121

67.1569, 0.2212,  
0.3097

65.8936, 0.2190,  
0.3074

65.5657, 0.2185,  
0.3067

# Harmonies

## Analogous

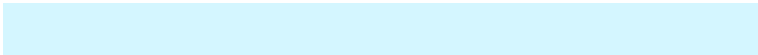
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5097, 0.2966, 0.3399



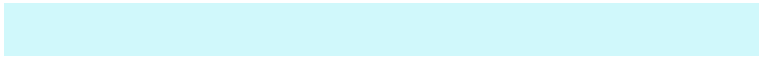
87.5097, 0.2866, 0.3258



87.5097, 0.2835, 0.3131

# Triad

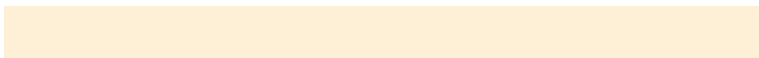
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5097, 0.2866, 0.3258



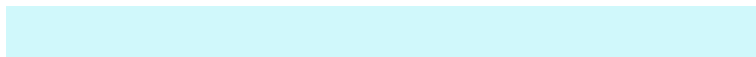
87.5097, 0.3139, 0.3083



87.5097, 0.3379, 0.3530

# Complementary

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



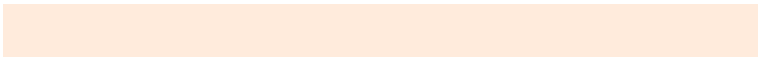
87.5097, 0.2866, 0.3258



71.6178, 0.3453, 0.3322

# 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.



87.5097, 0.3429, 0.3439



87.5097, 0.2866, 0.3258



87.5097, 0.3288, 0.3184

# Square

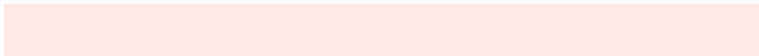
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5097, 0.2866, 0.3258



87.5097, 0.2989, 0.3035



87.5097, 0.3395, 0.3313



87.5097, 0.3262, 0.3558

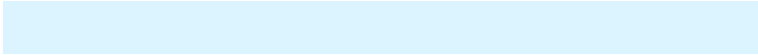


# Rectangle

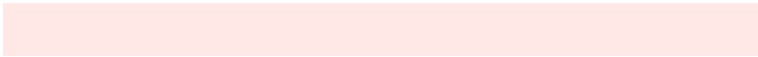
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



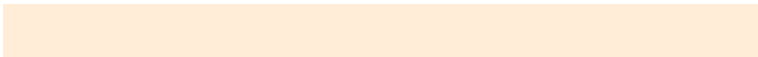
87.5097, 0.2866, 0.3258



87.5097, 0.2856, 0.3071



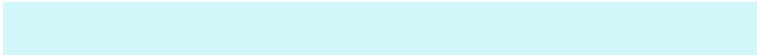
87.5097, 0.3395, 0.3313



87.5097, 0.3404, 0.3506

# Sweetspot

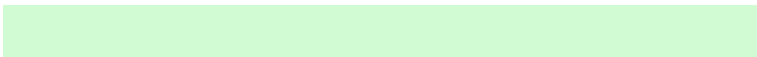
The Sweet Spot groups the original color and five complimentary colors.



87.5133, 0.2866, 0.3258



97.0975, 0.3049, 0.3281



87.0968, 0.3089, 0.3725



20.6983, 0.3038, 0.3280



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

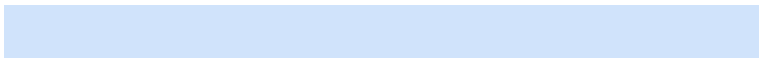
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5133, 0.2866, 0.3258



88.8685, 0.2810, 0.3250



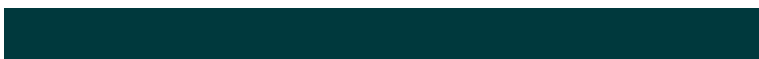
75.0890, 0.2855, 0.3029



19.3898, 0.2980, 0.3273



34.5498, 0.2187, 0.3071



3.2601, 0.2194, 0.3099



# Inverse Universe

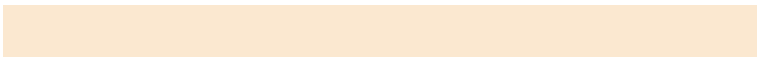
The Inverse Universe completely reimagines the original color for something new.



72.3723, 0.3168, 0.2892



70.2260, 0.3178, 0.2800



82.9716, 0.3416, 0.3538



17.5025, 0.3149, 0.3072



13.8987, 0.3392, 0.1642

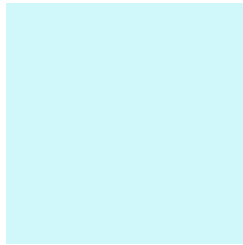


1.2933, 0.3368, 0.1629



# Previews

## White Background



This preview shows how the Yxy color 87.5097, 0.2866, 0.3258 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

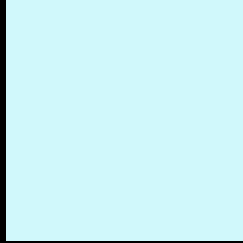
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.5097, 0.2866, 0.3258 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

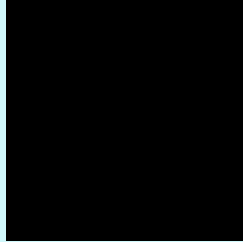
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

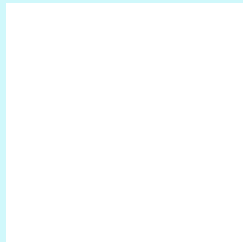
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.5097, 0.2866, 0.3258**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.5097, 0.2866, 0.3258.

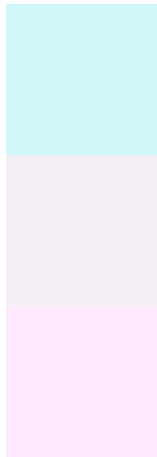


This preview shows how white text looks on a background with the Yxy color 87.5097, 0.2866, 0.3258.

# 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

87.5097, 0.2866, 0.3258

### Protanopia

87.3803, 0.3117, 0.3230

### Deuteranopia

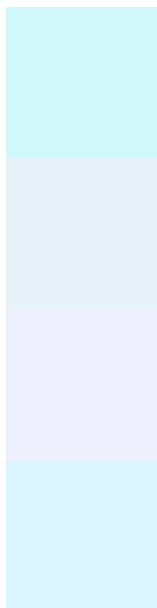
87.1975, 0.3149, 0.3107



## Tritanopia

87.1685, 0.2938, 0.3168

# Trichromacy



## Original Color

87.5097, 0.2866, 0.3258

## Protanomaly

87.0427, 0.3021, 0.3239

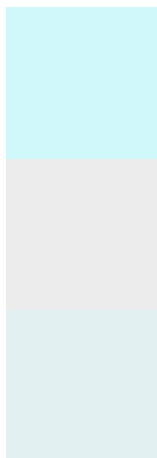
## Deuteranomaly

86.9384, 0.3042, 0.3160

## Tritanomaly

87.3660, 0.2908, 0.3197

# Monochromacy



## Original Color

87.5097, 0.2866, 0.3258

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.8398, 0.3031, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.5097, 0.2866, 0.3258 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(208, 248, 251)` looks like.

```
.text, #text, p{  
    color:rgb(208, 248, 251)  
}
```

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(208, 248, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 248, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 87.5097, 0.2866, 0.3258 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(208, 248, 251) }
```

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

```
.border{ border-color:rgb(208, 248, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 248, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 248, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 248, 251);  
box-shadow:4px 4px 4px 4px rgb(208, 248,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.5097, 0.2866, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 248, 251) }
```

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

```
.background{ background-color: rgb(208,  
248, 251) }
```

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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