

# Converting Colors

$Yxy(87.3414, 0.2887, 0.3272)$

Have a look what the booklet for  
Yxy(87.3414, 0.2887, 0.3272)  
contains.

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# Color

**Yxy(87.0627, 0.2888, 0.3268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F7F9
RGB	210, 247, 249
RGB Percent	82%, 97%, 98%
CMY	0.1765, 0.0314, 0.0234
CMYK	0.16, 0.01, 0.00, 0.02
HSL	183°, 77%, 90%
HSV	183°, 16%, 98%
XYZ	76.9391, 87.0627, 102.4079
YIQ	236.1650, -22.6940, -7.2220

# Conversions

## Conversions Part 2

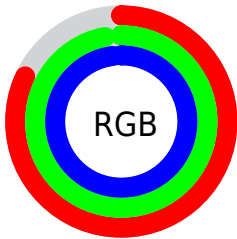
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 229, 249
Decimal	13826041
CIE Lab	94.76, -11.45, -4.98
CIE LCh	95, 12.485, 203.509
Yxy	87.0627, 0.2888, 0.3268
Android (android.graphics.Color)	4292016121 (0xFFD2F7F9)
YUV	236.1650, 6.3277, -22.9467
Hunter-Lab	93.3074, -16.1010, 0.2425

# Details

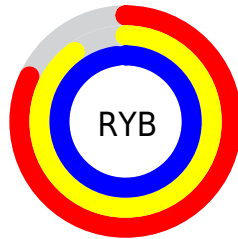
The Yxy color **87.0627, 0.2888, 0.3268** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.8982, 0.3421, 0.3312**, and the grayscale version is **83.9789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0804, 0.2834, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **82.8986, 0.2746, 0.3253**, and if you desaturate by 10%, it is **91.8084, 0.3039, 0.3282**.

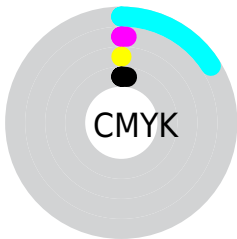
# Distribution



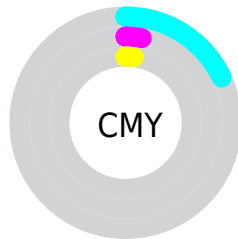
- Red (82%)
- Green (97%)
- Blue (98%)



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



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0627, 0.2888, 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 87.0627, 0.2888, 0.3268 by changing the saturation by 10% instead.



 87.0627, 0.2888,  
0.3268

 87.0627, 0.2888,  
0.3268


518.4289, 0.2994,  
0.3279

 65.5471, 0.2865,  
0.3265

143.2515, 0.2924,  
0.3272

 47.9048, 0.2836,  
0.3262

178.6935, 0.2938,  
0.3273

 33.7515, 0.2801,  
0.3258


219.5465, 0.2951,  
0.3275

 22.7028, 0.2756,  
0.3252

266.1947, 0.2962,  
0.3276

 14.3742, 0.2696,  
0.3244

319.0227, 0.2971,  
0.3277

 8.3814, 0.2614,  
0.3232

378.4148, 0.2980,

 4.3399, 0.2494,

0.3278

444.7554, 0.2988,  
0.3278

0.3212

1.8655, 0.2301,  
0.3174

0.5275, 0.1327,  
0.3155

87.0627, 0.2888,  
0.3268

87.0627, 0.2888,  
0.3268

82.8986, 0.2746,  
0.3253

91.8084, 0.3039,  
0.3282

79.2789, 0.2617,  
0.3236

96.2293, 0.3165,  
0.3296

76.1791, 0.2503,  
0.3219

97.0386, 0.3164,  
0.3308

73.5682, 0.2405,  
0.3202

97.8536, 0.3163,  
0.3320

71.4121, 0.2327,  
0.3184

98.6741, 0.3162,  
0.3333

69.6721, 0.2269,  
0.3166

99.5002, 0.3162,  
0.3345

68.3033, 0.2229,  
0.3148

99.6224, 0.3162,  
0.3347

67.2498, 0.2207,  
0.3131

66.8567, 0.2201,  
0.3123

# Harmonies

## Analogous

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



87.0627, 0.2984, 0.3398



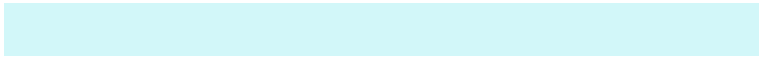
87.0627, 0.2888, 0.3268



87.0627, 0.2855, 0.3148

# Triad

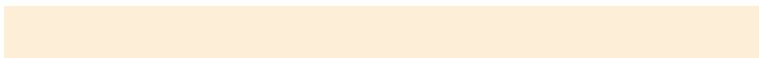
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0627, 0.2888, 0.3268



87.0627, 0.3130, 0.3094



87.0627, 0.3366, 0.3510

# Complementary

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



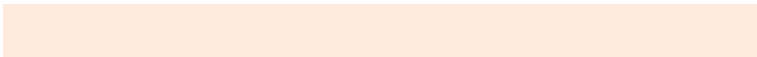
87.0627, 0.2888, 0.3268



71.8982, 0.3421, 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.



87.0627, 0.3407, 0.3423



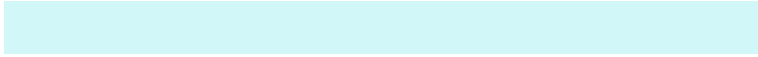
87.0627, 0.2888, 0.3268



87.0627, 0.3269, 0.3185

# Square

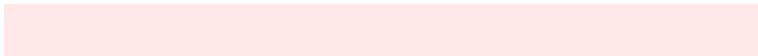
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0627, 0.2888, 0.3268



87.0627, 0.2992, 0.3051



87.0627, 0.3372, 0.3304

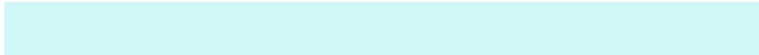


87.0627, 0.3260, 0.3539

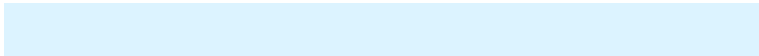


# Rectangle

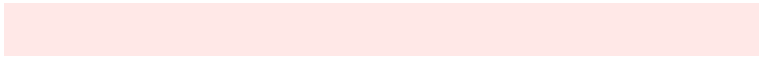
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.0627, 0.2888, 0.3268



87.0627, 0.2872, 0.3090



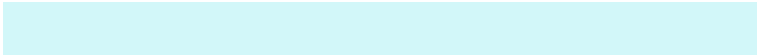
87.0627, 0.3372, 0.3304



87.0627, 0.3388, 0.3486

# Sweetspot

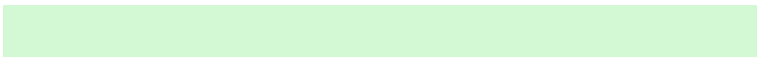
The Sweet Spot groups the original color and five complimentary colors.



87.0663, 0.2888, 0.3268



97.2375, 0.3049, 0.3283



86.2286, 0.3096, 0.3691



20.7325, 0.3038, 0.3282



0.0000, 0.0000, 0.0000

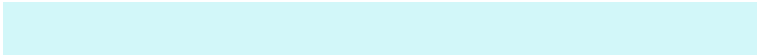


21.4041, 0.3127, 0.3290



# Same Dimension

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



87.0663, 0.2888, 0.3268



90.3371, 0.2840, 0.3263



75.7867, 0.2880, 0.3061



19.4441, 0.2980, 0.3277



35.8397, 0.2202, 0.3126



3.3656, 0.2208, 0.3147



# Inverse Universe

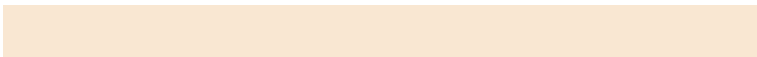
The Inverse Universe completely reimagines the original color for something new.



72.9481, 0.3159, 0.2920



72.7260, 0.3167, 0.2840



82.2139, 0.3390, 0.3509



17.5080, 0.3146, 0.3068



14.0289, 0.3345, 0.1616



1.3040, 0.3327, 0.1606



# Previews

## White Background



This preview shows how the Yxy color 87.0627, 0.2888, 0.3268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

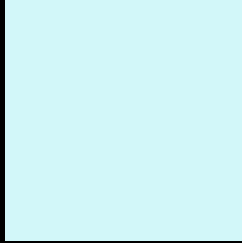
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.0627, 0.2888, 0.3268 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

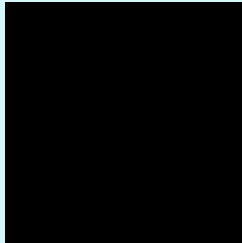
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.0627, 0.2888, 0.3268**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.0627, 0.2888, 0.3268.

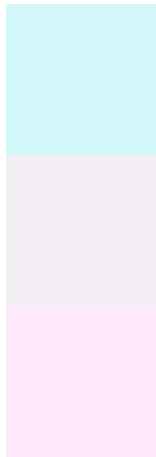


This preview shows how white text looks on a background with the Yxy color 87.0627, 0.2888, 0.3268.

# 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



### Original Color

87.0627, 0.2888, 0.3268

### Protanopia

86.5580, 0.3117, 0.3230

### Deuteranopia

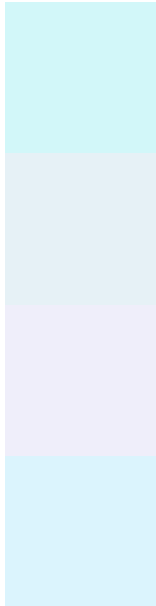
86.5029, 0.3162, 0.3116



## Tritanopia

87.1685, 0.2938, 0.3168

# Trichromacy



## Original Color

87.0627, 0.2888, 0.3268

## Protanomaly

86.3874, 0.3027, 0.3239

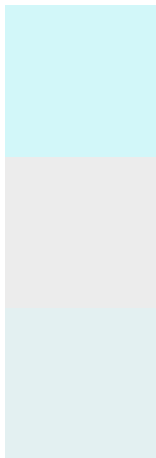
## Deuteranomaly

86.4019, 0.3061, 0.3170

## Tritanomaly

86.8533, 0.2919, 0.3197

# Monochromacy



## Original Color

87.0627, 0.2888, 0.3268

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

85.0019, 0.3037, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.0627, 0.2888, 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(210, 247, 249)` looks like.

```
.text, #text, p{  
    color:rgb(210, 247, 249)  
}
```

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, 247, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 247, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 87.0627, 0.2888, 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(210, 247, 249) }
```

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

```
.border{ border-color:rgb(210, 247, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 247, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 247, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 247, 249);  
box-shadow:4px 4px 4px 4px rgb(210, 247,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.0627, 0.2888, 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(210, 247, 249) }
```

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

```
.background{ background-color: rgb(210,  
247, 249) }
```

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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