

# Converting Colors

Yxy(86.9013, 0.2904, 0.3278)

Have a look what the booklet for  
Yxy(86.9013, 0.2904, 0.3278)  
contains.

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# Color

**Yxy(87.1477, 0.2900, 0.3279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3F7F8
RGB	211, 247, 248
RGB Percent	83%, 97%, 97%
CMY	0.1724, 0.0314, 0.0275
CMYK	0.15, 0.00, 0.00, 0.03
HSL	182°, 72%, 90%
HSV	182°, 15%, 97%
XYZ	77.0748, 87.1477, 101.5527
YIQ	236.3500, -21.7770, -7.3210

# Conversions

## Conversions Part 2

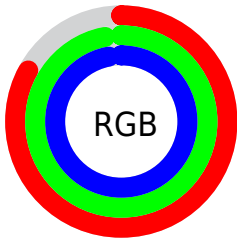
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 229, 248
Decimal	13891576
CIE Lab	94.80, -11.33, -4.37
CIE LCh	95, 12.144, 201.096
Yxy	87.1477, 0.2900, 0.3279
Android (android.graphics.Color)	4292081656 (0xFFD3F7F8)
YUV	236.3500, 5.7435, -22.2319
Hunter-Lab	93.3529, -15.9930, 0.8492

# Details

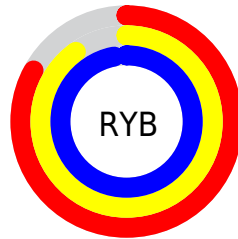
The Yxy color **87.1477, 0.2900, 0.3279** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.7625, 0.3405, 0.3301**, and the grayscale version is **84.1375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1353, 0.2848, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **83.3605, 0.2759, 0.3271**, and if you desaturate by 10%, it is **91.5086, 0.3051, 0.3287**.

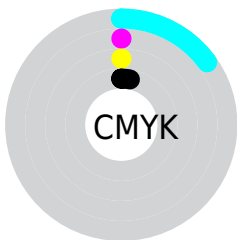
# Distribution



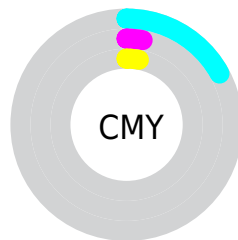
- Red (83%)
- Green (97%)
- Blue (97%)



- Red (83%)
- Yellow (90%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (17%)
- Magenta (3%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1477, 0.2900, 0.3279 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 87.1477, 0.2900, 0.3279 by changing the saturation by 10% instead.




 87.1477, 0.2900,  
0.3279

 87.1477, 0.2900,  
0.3279

518.7081, 0.3001,  
0.3285

 65.6174, 0.2878,  
0.3278


143.3700, 0.2934,  
0.3281

 47.9619, 0.2851,  
0.3276


178.8308, 0.2948,  
0.3282

 33.7967, 0.2817,  
0.3273


219.7039, 0.2960,  
0.3283

 22.7375, 0.2774,  
0.3270


266.3738, 0.2970,  
0.3283

 14.3998, 0.2718,  
0.3265

319.2247, 0.2979,  
0.3284

 8.3992, 0.2639,  
0.3257

378.6412, 0.2987,

 4.3515, 0.2525,

0.3284

0.3244

445.0075, 0.2995,  
0.3285

■ 1.8720, 0.2340,  
0.3218

■ 0.5315, 0.1390,  
0.3232

■ 87.1477, 0.2900,  
0.3279

■ 87.1477, 0.2900,  
0.3279

■ 83.3605, 0.2759,  
0.3271

■ 91.5086, 0.3051,  
0.3287

■ 80.1104, 0.2630,  
0.3263


■ 95.3708, 0.3172,  
0.3293


■ 77.3732, 0.2517,  
0.3254


■ 95.7804, 0.3171,  
0.3300

■ 75.1185, 0.2421,  
0.3245


■ 96.1915, 0.3171,  
0.3306


 73.3128, 0.2345,  
0.3236

 96.6040, 0.3171,  
0.3312

 71.9183, 0.2288,  
0.3226


 97.0179, 0.3170,  
0.3319


 70.8912, 0.2250,  
0.3217

 97.4333, 0.3170,  
0.3325

 70.1772, 0.2229,  
0.3209

 97.8502, 0.3169,  
0.3331

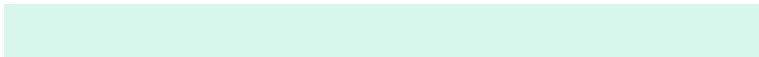
 69.8931, 0.2223,  
0.3204

 98.2685, 0.3169,  
0.3338

# Harmonies

## Analogous

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



87.1477, 0.2998, 0.3404



87.1477, 0.2900, 0.3279



87.1477, 0.2862, 0.3160

# Triad

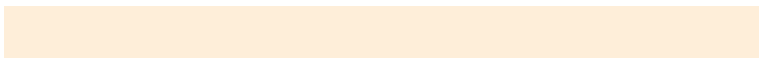
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1477, 0.2900, 0.3279



87.1477, 0.3118, 0.3094



87.1477, 0.3365, 0.3499

# Complementary

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



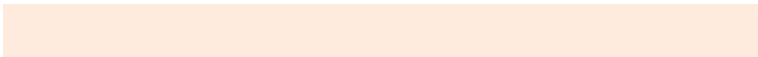
87.1477, 0.2900, 0.3279



71.7625, 0.3405, 0.3301

# 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.



87.1477, 0.3400, 0.3411



87.1477, 0.2900, 0.3279



87.1477, 0.3255, 0.3179

# Square

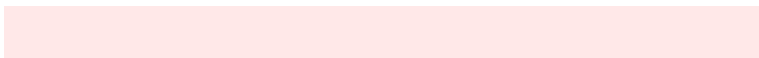
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1477, 0.2900, 0.3279



87.1477, 0.2986, 0.3057



87.1477, 0.3359, 0.3294

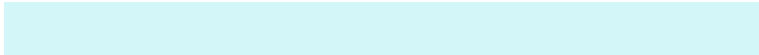


87.1477, 0.3266, 0.3532

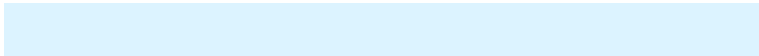


# Rectangle

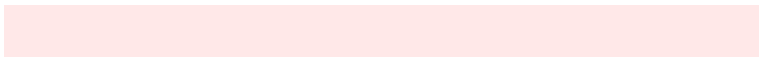
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



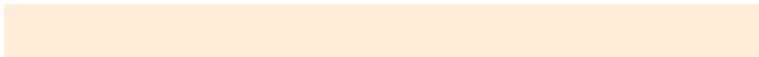
87.1477, 0.2900, 0.3279



87.1477, 0.2875, 0.3101



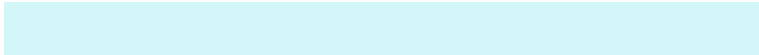
87.1477, 0.3359, 0.3294



87.1477, 0.3385, 0.3475

# Sweetspot

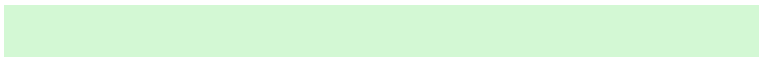
The Sweet Spot groups the original color and five complimentary colors.



87.1513, 0.2900, 0.3279



97.9424, 0.3065, 0.3287



85.7176, 0.3105, 0.3682



20.8833, 0.3053, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

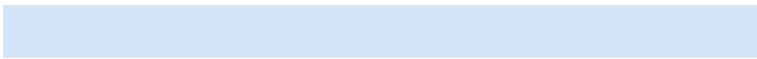
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1513, 0.2900, 0.3279



91.5285, 0.2855, 0.3277



76.6145, 0.2893, 0.3087



19.5241, 0.2980, 0.3283



37.7965, 0.2224, 0.3206



3.5251, 0.2227, 0.3216



# Inverse Universe

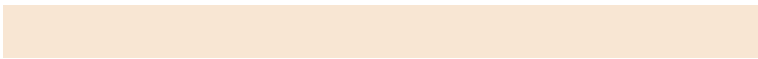
The Inverse Universe completely reimagines the original color for something new.



73.2793, 0.3151, 0.2930



74.0511, 0.3157, 0.2853



81.3254, 0.3377, 0.3485



17.5161, 0.3142, 0.3063



14.2265, 0.3277, 0.1579



1.3201, 0.3268, 0.1574



# Previews

## White Background



This preview shows how the Yxy color 87.1477, 0.2900, 0.3279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

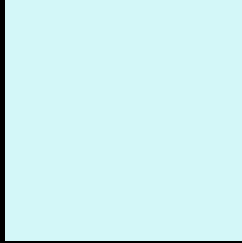
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.1477, 0.2900, 0.3279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

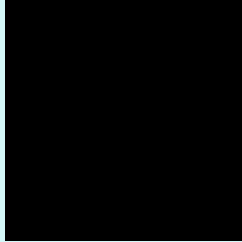
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.1477, 0.2900, 0.3279**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.1477, 0.2900, 0.3279.

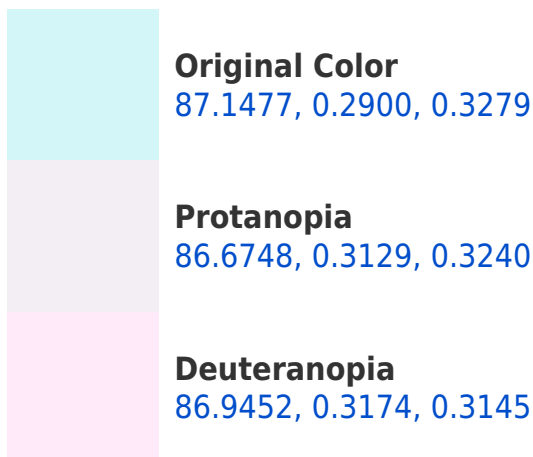


This preview shows how white text looks on a background with the Yxy color 87.1477, 0.2900, 0.3279.

# 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

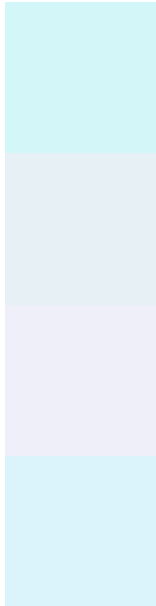




## Tritanopia

87.1685, 0.2938, 0.3168

# Trichromacy



## Original Color

87.1477, 0.2900, 0.3279

## Protanomaly

86.4921, 0.3039, 0.3249

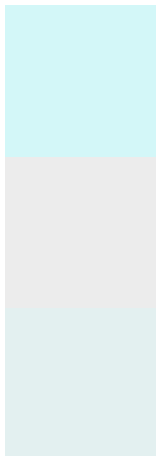
## Deuteranomaly

86.9233, 0.3067, 0.3190

## Tritanomaly

86.7897, 0.2924, 0.3207

# Monochromacy



## Original Color

87.1477, 0.2900, 0.3279

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.9423, 0.3043, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.1477, 0.2900, 0.3279 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(211, 247, 248)` looks like.

```
.text, #text, p{  
    color:rgb(211, 247, 248)  
}
```

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(211, 247, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 247, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 87.1477, 0.2900, 0.3279 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(211, 247, 248) }
```

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

```
.border{ border-color:rgb(211, 247, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 247, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 247, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 247, 248);  
box-shadow:4px 4px 4px 4px rgb(211, 247,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.1477, 0.2900, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 247, 248) }
```

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

```
.background{ background-color: rgb(211,  
247, 248) }
```

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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