

# Converting Colors

$Yxy(87.4747, 0.2971, 0.3322)$

Have a look what the booklet for  
Yxy(87.4747, 0.2971, 0.3322)  
contains.

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# Color

**Yxy(87.2880, 0.2969, 0.3321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAF6F3
RGB	218, 246, 243
RGB Percent	85%, 96%, 95%
CMY	0.1452, 0.0352, 0.0471
CMYK	0.11, 0.00, 0.01, 0.04
HSL	174°, 61%, 91%
HSV	174°, 11%, 96%
XYZ	78.0362, 87.2880, 97.5123
YIQ	237.2860, -15.7250, -6.8690

# Conversions

## Conversions Part 2

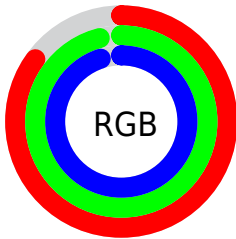
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 233, 246
Decimal	14350067
CIE Lab	94.86, -9.66, -1.64
CIE LCh	95, 9.794, 189.651
Yxy	87.2880, 0.2969, 0.3321
Android (android.graphics.Color)	4292540147 (0xFFDAF6F3)
YUV	237.2860, 2.8170, -16.9138
Hunter-Lab	93.4280, -14.4062, 3.5177

# Details

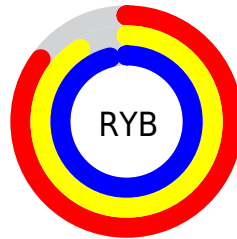
The Yxy color **87.2880, 0.2969, 0.3321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.9413, 0.3311, 0.3259**, and the grayscale version is **84.9039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2013, 0.2935, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **83.6172, 0.2838, 0.3351**, and if you desaturate by 10%, it is **91.5314, 0.3107, 0.3294**.

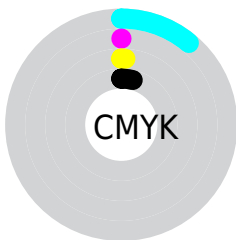
# Distribution



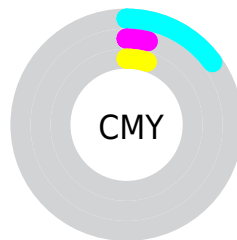
- Red (85%)
- Green (96%)
- Blue (95%)



- Red (85%)
- Yellow (91%)
- Blue (96%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)




- Cyan (15%)
- Magenta (4%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2880, 0.2969, 0.3321 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 87.2880, 0.2969, 0.3321 by changing the saturation by 10% instead.




 87.2880, 0.2969,  
0.3321

 87.2880, 0.2969,  
0.3321


519.1688, 0.3040,  
0.3308

 65.7336, 0.2953,  
0.3324

143.5655, 0.2993,  
0.3316

 48.0561, 0.2934,  
0.3327

179.0573, 0.3003,  
0.3315

 33.8714, 0.2911,  
0.3332


219.9638, 0.3011,  
0.3313

 22.7948, 0.2881,  
0.3337

266.6692, 0.3018,  
0.3312

 14.4421, 0.2840,  
0.3344

319.5580, 0.3024,  
0.3310

 8.4288, 0.2785,  
0.3354

379.0146, 0.3030,

 4.3705, 0.2703,

0.3309

445.4234, 0.3035,  
0.3308

0.3368

1.8829, 0.2569,  
0.3389

0.5381, 0.1820,  
0.3553

87.2880, 0.2969,  
0.3321

87.2880, 0.2969,  
0.3321

83.6172, 0.2838,  
0.3351

91.5314, 0.3107,  
0.3294

80.4831, 0.2718,  
0.3383

93.9780, 0.3171,  
0.3268

77.8631, 0.2611,  
0.3418

94.1448, 0.3155,  
0.3243

75.7281, 0.2520,  
0.3454

94.3139, 0.3139,  
0.3217

■ 74.0466, 0.2447,  
0.3491

■ 94.4017, 0.3131,  
0.3204

■ 72.7832, 0.2394,  
0.3528

■ 71.8971, 0.2360,  
0.3566

■ 71.3393, 0.2345,  
0.3604

■ 71.0565, 0.2343,  
0.3636

# Harmonies

## Analogous

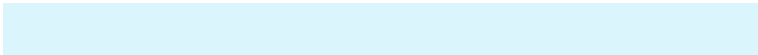
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2880, 0.3062, 0.3415



87.2880, 0.2969, 0.3321



87.2880, 0.2918, 0.3220

# Triad

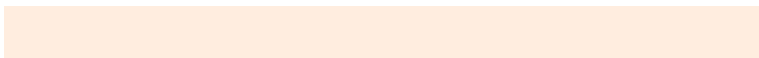
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2880, 0.2969, 0.3321



87.2880, 0.3078, 0.3114



87.2880, 0.3336, 0.3436

# Complementary

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



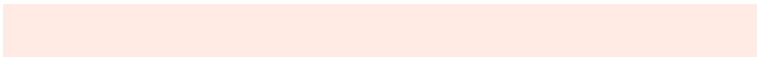
87.2880, 0.2969, 0.3321



74.9413, 0.3311, 0.3259

# 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.



87.2880, 0.3341, 0.3354



87.2880, 0.2969, 0.3321



87.2880, 0.3190, 0.3170

# Square

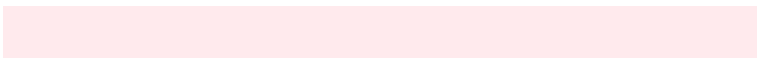
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2880, 0.2969, 0.3321



87.2880, 0.2980, 0.3103



87.2880, 0.3287, 0.3257



87.2880, 0.3275, 0.3481

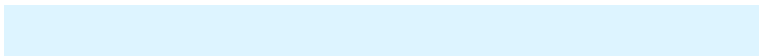


# Rectangle

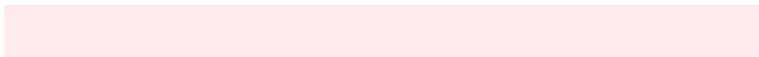
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



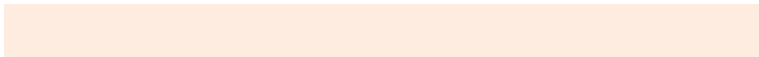
87.2880, 0.2969, 0.3321



87.2880, 0.2914, 0.3164



87.2880, 0.3287, 0.3257



87.2880, 0.3345, 0.3412

# Sweetspot

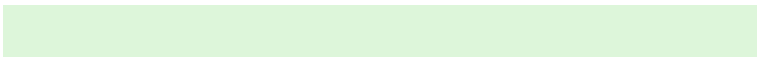
The Sweet Spot groups the original color and five complimentary colors.



87.2917, 0.2969, 0.3321



98.5246, 0.3085, 0.3298



86.3914, 0.3134, 0.3586



21.0060, 0.3074, 0.3300



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

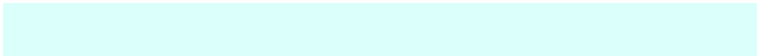


# Same Dimension

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



87.2917, 0.2969, 0.3321



93.6002, 0.2934, 0.3329



81.1228, 0.2950, 0.3177



18.7251, 0.2995, 0.3316



37.9342, 0.2342, 0.3630



3.3427, 0.2329, 0.3583



# Inverse Universe

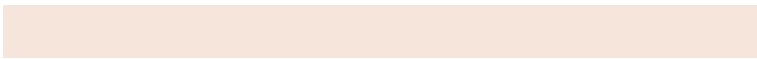
The Inverse Universe completely reimagines the original color for something new.



74.9413, 0.3311, 0.3259



77.4163, 0.3360, 0.3252



80.5389, 0.3319, 0.3400



16.5117, 0.3277, 0.3265



10.5089, 0.6273, 0.3229

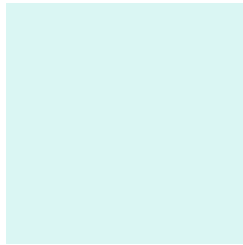


0.9331, 0.6024, 0.3092



# Previews

## White Background



This preview shows how the Yxy color 87.2880, 0.2969, 0.3321 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

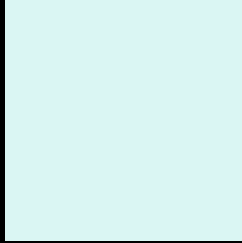
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.2880, 0.2969, 0.3321 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

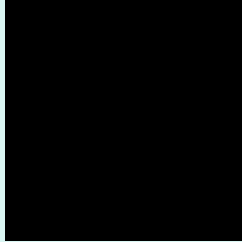
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

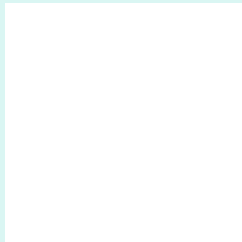
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.2880, 0.2969, 0.3321**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.2880, 0.2969, 0.3321.

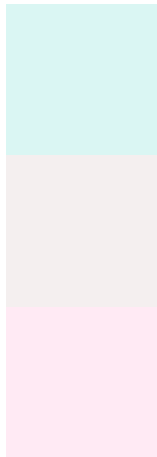


This preview shows how white text looks on a background with the Yxy color 87.2880, 0.2969, 0.3321.

# 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

87.2880, 0.2969, 0.3321

### Protanopia

87.1981, 0.3160, 0.3290

### Deuteranopia

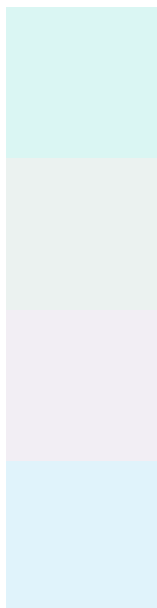
86.6373, 0.3206, 0.3193



## Tritanopia

87.2182, 0.2962, 0.3158

# Trichromacy



## Original Color

87.2880, 0.2969, 0.3321

## Protanomaly

87.4577, 0.3094, 0.3310

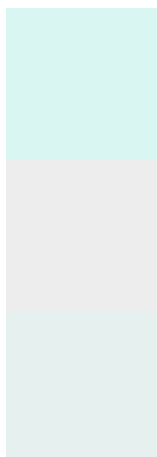
## Deuteranomaly

86.5580, 0.3117, 0.3230

## Tritanomaly

86.9135, 0.2960, 0.3208

# Monochromacy



## Original Color

87.2880, 0.2969, 0.3321

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.3752, 0.3068, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.2880, 0.2969, 0.3321 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(218, 246, 243)` looks like.

```
.text, #text, p{  
    color:rgb(218, 246, 243)  
}
```

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(218, 246, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 246, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 87.2880, 0.2969, 0.3321 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(218, 246, 243) }
```

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

```
.border{ border-color:rgb(218, 246, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 246, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 246, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 246, 243);  
box-shadow:4px 4px 4px 4px rgb(218, 246,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.2880, 0.2969, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 246, 243) }
```

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

```
.background{ background-color: rgb(218,  
246, 243) }
```

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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