

# Converting Colors

$Yxy(87.2899, 0.2888, 0.3332)$

Have a look what the booklet for  
Yxy(87.2899, 0.2888, 0.3332)  
contains.

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# Color

**Yxy(87.4657, 0.2887, 0.3331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEF9F5
RGB	206, 249, 245
RGB Percent	81%, 98%, 96%
CMY	0.1923, 0.0235, 0.0390
CMYK	0.17, 0.00, 0.02, 0.02
HSL	174°, 78%, 89%
HSV	174°, 17%, 98%
XYZ	75.8071, 87.4657, 99.3081
YIQ	235.6870, -24.3440, -10.3600

# Conversions

## Conversions Part 2

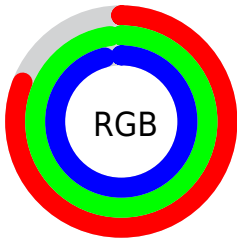
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 229, 249
Decimal	13564405
CIE Lab	94.94, -14.48, -2.69
CIE LCh	95, 14.728, 190.518
Yxy	87.4657, 0.2887, 0.3331
Android (android.graphics.Color)	4291754485 (0xFFCEF9F5)
YUV	235.6870, 4.5913, -26.0355
Hunter-Lab	93.5231, -18.9785, 2.5087

# Details

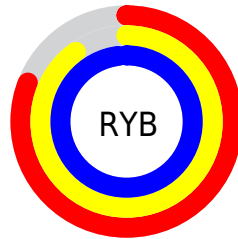
The Yxy color **87.4657, 0.2887, 0.3331** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.9141, 0.3431, 0.3250**, and the grayscale version is **83.6057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3934, 0.2834, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **84.0449, 0.2760, 0.3358**, and if you desaturate by 10%, it is **91.4600, 0.3023, 0.3307**.

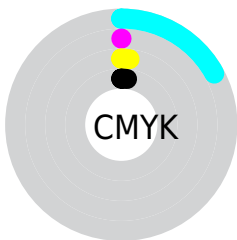
# Distribution



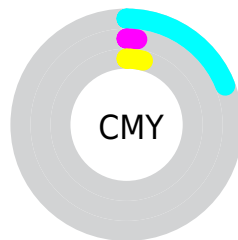
- Red (81%)
- Green (98%)
- Blue (96%)



- Red (81%)
- Yellow (90%)
- Blue (98%)



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



- Cyan (19%)
- Magenta (2%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4657, 0.2887, 0.3331 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 87.4657, 0.2887, 0.3331 by changing the saturation by 10% instead.




 87.4657, 0.2887,  
0.3331

 87.4657, 0.2887,  
0.3331


519.7519, 0.2994,  
0.3313

 65.8807, 0.2863,  
0.3335


143.8131, 0.2923,  
0.3325

 48.1755, 0.2835,  
0.3339

179.3442, 0.2938,  
0.3323

 33.9659, 0.2799,  
0.3345

220.2928, 0.2950,  
0.3321

 22.8674, 0.2754,  
0.3351

267.0433, 0.2961,  
0.3319

 14.4956, 0.2694,  
0.3360

319.9801, 0.2971,  
0.3317

 8.4662, 0.2611,  
0.3371


379.4875, 0.2979,


 4.3947, 0.2489,


0.3316


445.9500, 0.2987,  
0.3315


0.3386

 1.8967, 0.2294,  
0.3407


 0.5464, 0.1109,  
0.3655


 87.4657, 0.2887,  
0.3331


 87.4657, 0.2887,  
0.3331


 84.0449, 0.2760,  
0.3358


 91.4600, 0.3023,  
0.3307


 81.1601, 0.2646,  
0.3386

 95.8971, 0.3162,  
0.3284

 78.7865, 0.2547,  
0.3416

 96.0416, 0.3148,  
0.3262

 76.8926, 0.2465,  
0.3447

 96.1879, 0.3134,  
0.3240

■ 75.4437, 0.2402,  
0.3479

■ 96.2380, 0.3130,  
0.3233

■ 74.4003, 0.2359,  
0.3510

■ 73.7161, 0.2336,  
0.3542

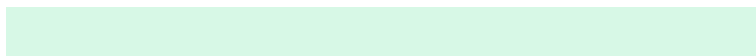
■ 73.3308, 0.2329,  
0.3574

■ 73.2531, 0.2328,  
0.3582

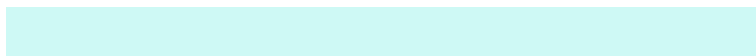
# Harmonies

## Analogous

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



87.4657, 0.3024, 0.3476



87.4657, 0.2887, 0.3331



87.4657, 0.2814, 0.3179

# Triad

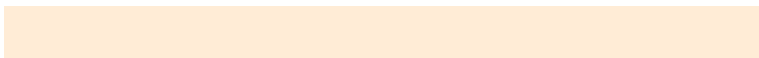
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4657, 0.2887, 0.3331



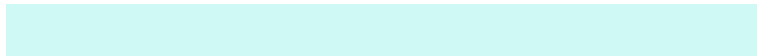
87.4657, 0.3056, 0.3030



87.4657, 0.3441, 0.3511

# Complementary

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



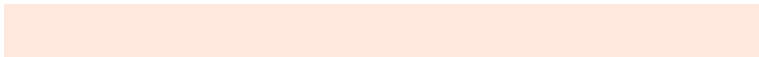
87.4657, 0.2887, 0.3331



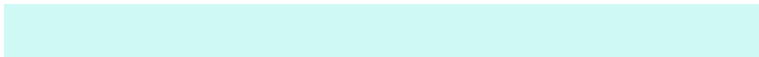
68.9141, 0.3431, 0.3250

# 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.



87.4657, 0.3451, 0.3387



87.4657, 0.2887, 0.3331



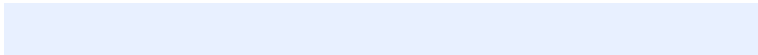
87.4657, 0.3226, 0.3115

# Square

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



87.4657, 0.2887, 0.3331



87.4657, 0.2910, 0.3010



87.4657, 0.3372, 0.3244

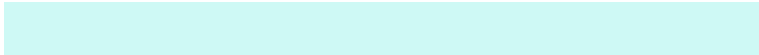


87.4657, 0.3344, 0.3579

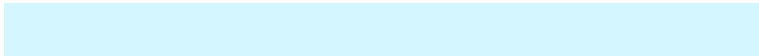


# Rectangle

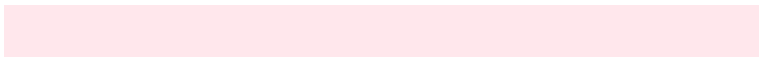
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



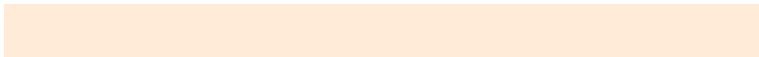
87.4657, 0.2887, 0.3331



87.4657, 0.2810, 0.3095



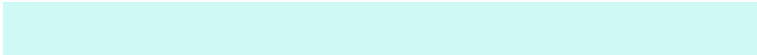
87.4657, 0.3372, 0.3244



87.4657, 0.3454, 0.3474

# Sweetspot

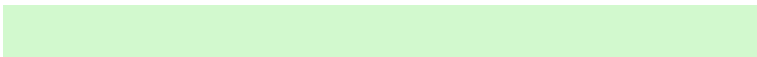
The Sweet Spot groups the original color and five complimentary colors.



87.4693, 0.2887, 0.3331



97.5861, 0.3056, 0.3301



85.9527, 0.3132, 0.3757



20.8175, 0.3046, 0.3303



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

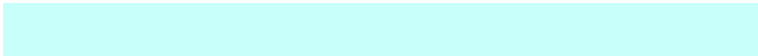


# Same Dimension

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



87.4693, 0.2887, 0.3331



90.9063, 0.2838, 0.3341



77.5513, 0.2857, 0.3105



19.5794, 0.2993, 0.3312



39.2187, 0.2327, 0.3577



3.6401, 0.2316, 0.3539



# Inverse Universe

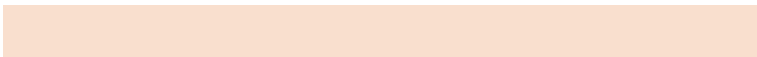
The Inverse Universe completely reimagines the original color for something new.



68.9141, 0.3431, 0.3250



67.7183, 0.3513, 0.3240



77.4675, 0.3431, 0.3468



17.2512, 0.3280, 0.3268



10.8222, 0.6299, 0.3244

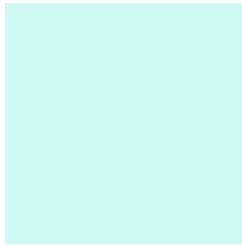


1.0108, 0.6089, 0.3128



# Previews

## White Background



This preview shows how the Yxy color 87.4657, 0.2887, 0.3331 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

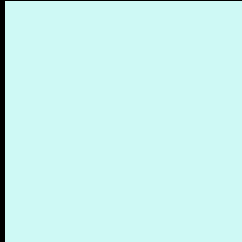
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.4657, 0.2887, 0.3331 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

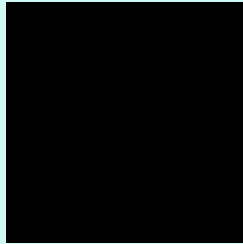
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.4657, 0.2887, 0.3331**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.4657, 0.2887, 0.3331.

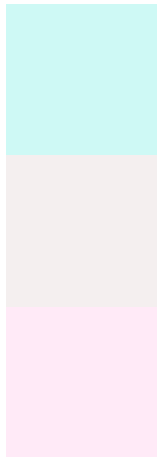


This preview shows how white text looks on a background with the Yxy color 87.4657, 0.2887, 0.3331.

# 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

87.4657, 0.2887, 0.3331

### Protanopia

87.1981, 0.3160, 0.3290

### Deuteranopia

86.8210, 0.3187, 0.3164



## Tritanopia

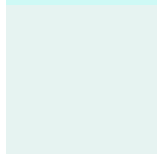
87.0092, 0.2932, 0.3167

# Trichromacy



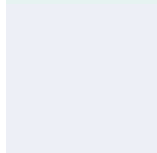
## Original Color

87.4657, 0.2887, 0.3331



## Protanomaly

87.2751, 0.3056, 0.3310



## Deuteranomaly

86.3913, 0.3072, 0.3220



## Tritanomaly

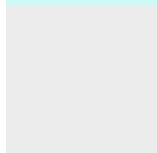
87.0216, 0.2918, 0.3228

# Monochromacy



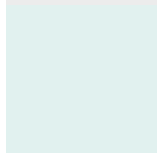
## Original Color

87.4657, 0.2887, 0.3331



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

85.1501, 0.3036, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.4657, 0.2887, 0.3331 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(206, 249, 245)` looks like.

```
.text, #text, p{  
    color:rgb(206, 249, 245)  
}
```

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(206, 249, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 249, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 87.4657, 0.2887, 0.3331 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(206, 249, 245) }
```

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

```
.border{ border-color:rgb(206, 249, 245) }
```

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

Here you see how a box with a 4 pixel rgb(206, 249, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 249, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 249, 245);  
box-shadow:4px 4px 4px 4px rgb(206, 249,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.4657, 0.2887, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 249, 245) }
```

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

```
.background{ background-color: rgb(206,  
249, 245) }
```

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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