

# Converting Colors

Yxy(88.9538, 0.2892, 0.3330)

Have a look what the booklet for  
Yxy(88.9538, 0.2892, 0.3330)  
contains.

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# Color

**Yxy(89.1197, 0.2889, 0.3331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0FBF7
RGB	208, 251, 247
RGB Percent	82%, 98%, 97%
CMY	0.1844, 0.0156, 0.0313
CMYK	0.17, 0.00, 0.02, 0.02
HSL	174°, 84%, 90%
HSV	174°, 17%, 98%
XYZ	77.2941, 89.1197, 101.1325
YIQ	237.6870, -24.3440, -10.3600

# Conversions

## Conversions Part 2

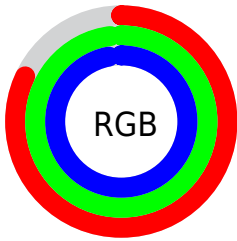
Format	Color
RYP	208, 231, 251
Decimal	13695991
CIELab	95.63, -14.46, -2.67
CIElCh	96, 14.708, 190.463
Yxy	89.1197, 0.2889, 0.3331
Android (android.graphics.Color)	4291886071 (0xFFD0FBF7)
YUV	237.6870, 4.5913, -26.0355
Hunter-Lab	94.4032, -19.0559, 2.5659

# Details

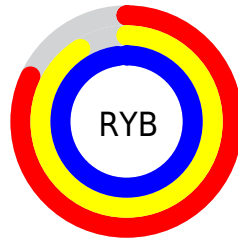
The Yxy color **89.1197, 0.2889, 0.3331** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.3637, 0.3428, 0.3250**, and the grayscale version is **85.2230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1175, 0.2836, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **85.6258, 0.2762, 0.3358**, and if you desaturate by 10%, it is **93.1985, 0.3025, 0.3306**.

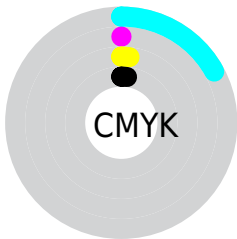
# Distribution



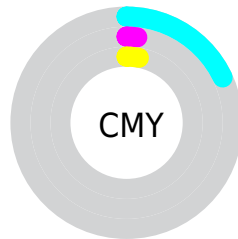
- Red (82%)
- Green (98%)
- Blue (97%)



- Red (82%)
- Yellow (91%)
- Blue (98%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1197, 0.2889, 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 89.1197, 0.2889, 0.3331 by changing the saturation by 10% instead.




 89.1197, 0.2889,  
0.3331

 89.1197, 0.2889,  
0.3331


525.1631, 0.2995,  
0.3314

 67.2508, 0.2866,  
0.3335


146.1150, 0.2925,  
0.3325

 49.2884, 0.2838,  
0.3339

182.0102, 0.2939,  
0.3323

 34.8483, 0.2803,  
0.3344


223.3495, 0.2951,  
0.3321

 23.5461, 0.2758,  
0.3351

270.5175, 0.2962,  
0.3319

 14.9972, 0.2700,  
0.3360

323.8984, 0.2972,  
0.3317

 8.8175, 0.2619,  
0.3371

383.8767, 0.2980,

 4.6223, 0.2501,

0.3316

450.8368, 0.2988,  
0.3315

0.3386

2.0274, 0.2313,  
0.3406

0.6233, 0.1385,  
0.3607

89.1197, 0.2889,  
0.3331

89.1197, 0.2889,  
0.3331

85.6258, 0.2762,  
0.3358

93.1985, 0.3025,  
0.3306

82.6788, 0.2647,  
0.3386

97.2684, 0.3148,  
0.3284

80.2530, 0.2548,  
0.3417

97.4169, 0.3135,  
0.3261

78.3167, 0.2466,  
0.3448

97.4807, 0.3129,  
0.3252

■ 76.8344, 0.2403,  
0.3480

■ 75.7660, 0.2360,  
0.3512

■ 75.0642, 0.2336,  
0.3544

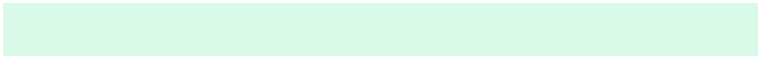
■ 74.6683, 0.2329,  
0.3576

■ 74.5851, 0.2329,  
0.3585

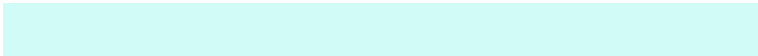
# Harmonies

## Analogous

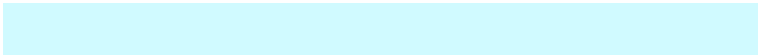
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1197, 0.3025, 0.3474



89.1197, 0.2889, 0.3331



89.1197, 0.2816, 0.3180

# Triad

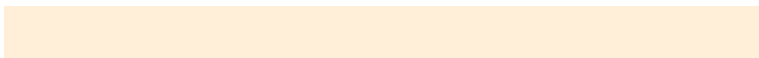
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1197, 0.2889, 0.3331



89.1197, 0.3057, 0.3032



89.1197, 0.3438, 0.3509

# Complementary

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



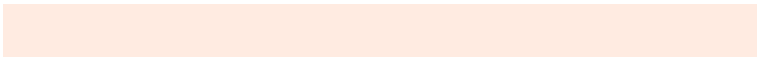
89.1197, 0.2889, 0.3331



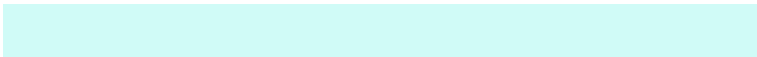
70.3637, 0.3428, 0.3250

# 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.



89.1197, 0.3448, 0.3386



89.1197, 0.2889, 0.3331



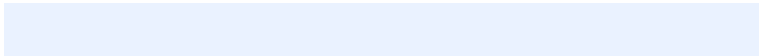
89.1197, 0.3225, 0.3116

# Square

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



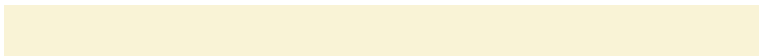
89.1197, 0.2889, 0.3331



89.1197, 0.2911, 0.3012



89.1197, 0.3369, 0.3244

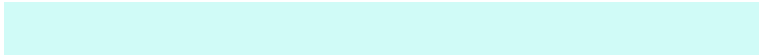


89.1197, 0.3343, 0.3576

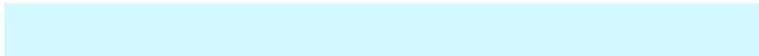


# Rectangle

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



89.1197, 0.2889, 0.3331



89.1197, 0.2813, 0.3097



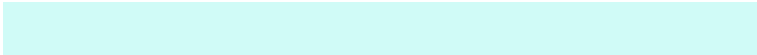
89.1197, 0.3369, 0.3244



89.1197, 0.3452, 0.3472

# Sweetspot

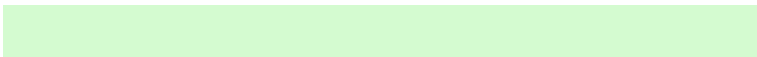
The Sweet Spot groups the original color and five complimentary colors.



89.1234, 0.2889, 0.3331



97.5855, 0.3056, 0.3301



87.5923, 0.3132, 0.3753



20.8174, 0.3046, 0.3303



0.0000, 0.0000, 0.0000

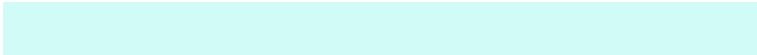


21.4041, 0.3127, 0.3290

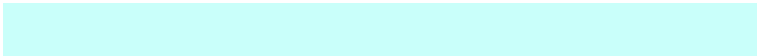


# Same Dimension

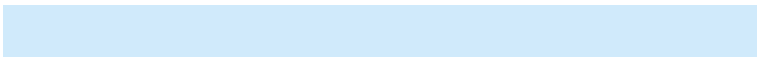
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1234, 0.2889, 0.3331



90.9037, 0.2839, 0.3341



79.1022, 0.2859, 0.3107



19.5792, 0.2993, 0.3312



39.2131, 0.2328, 0.3579



3.6397, 0.2317, 0.3541



# Inverse Universe

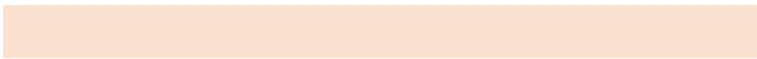
The Inverse Universe completely reimagines the original color for something new.



70.3637, 0.3428, 0.3250



67.7203, 0.3513, 0.3240



79.0173, 0.3428, 0.3466



17.2514, 0.3279, 0.3268



10.8226, 0.6298, 0.3243

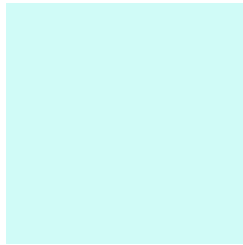


1.0109, 0.6086, 0.3126



# Previews

## White Background



This preview shows how the Yxy color 89.1197, 0.2889, 0.3331 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

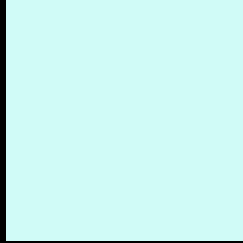
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.1197, 0.2889, 0.3331 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

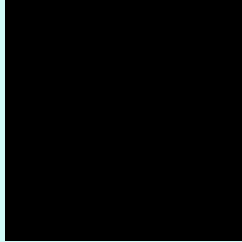
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

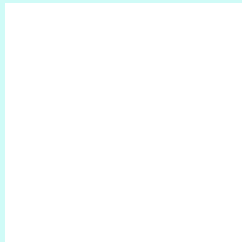
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.1197, 0.2889, 0.3331**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.1197, 0.2889, 0.3331.

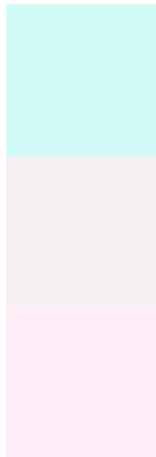


This preview shows how white text looks on a background with the Yxy color 89.1197, 0.2889, 0.3331.

# 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

89.1197, 0.2889, 0.3331

### Protanopia

88.8543, 0.3160, 0.3290

### Deuteranopia

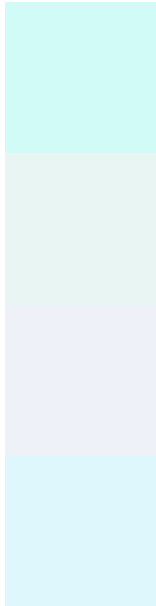
88.6057, 0.3179, 0.3184



## Tritanopia

89.0188, 0.2962, 0.3189

# Trichromacy



**Original Color**

89.1197, 0.2889, 0.3331

**Protanomaly**

88.9317, 0.3056, 0.3310

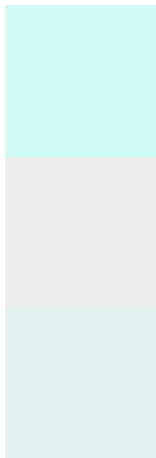
**Deuteranomaly**

88.4587, 0.3066, 0.3230

**Tritanomaly**

88.9220, 0.2937, 0.3238

# Monochromacy



**Original Color**

89.1197, 0.2889, 0.3331

**Achromatopsia**

85.4993, 0.3127, 0.3290

**Achromatomaly**

86.7830, 0.3037, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.1197, 0.2889, 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(208, 251, 247)` looks like.

```
.text, #text, p{  
    color:rgb(208, 251, 247)  
}
```

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, 251, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 251, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 89.1197, 0.2889, 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(208, 251, 247) }
```

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

```
.border{ border-color:rgb(208, 251, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 251, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 251, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 251, 247);  
box-shadow:4px 4px 4px 4px rgb(208, 251,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.1197, 0.2889, 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(208, 251, 247) }
```

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

```
.background{ background-color: rgb(208,  
251, 247) }
```

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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