

# Converting Colors

$Y_{xy}(86.7827, 0.2935, 0.3325)$

Have a look what the booklet for  
Yxy(86.7827, 0.2935, 0.3325)  
contains.

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# Color

**Yxy(86.9896, 0.2933, 0.3331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F7F3
RGB	212, 247, 243
RGB Percent	83%, 97%, 95%
CMY	0.1686, 0.0314, 0.0470
CMYK	0.14, 0.00, 0.02, 0.03
HSL	173°, 69%, 90%
HSV	173°, 14%, 97%
XYZ	76.5958, 86.9896, 97.5662
YIQ	236.0790, -19.5760, -8.6640

# Conversions

## Conversions Part 2

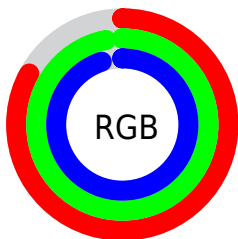
Format	Color
R <sub>Y</sub> B	212, 231, 247
Decimal	13957107
CIE Lab	94.73, -12.01, -1.90
CIE LCh	95, 12.158, 188.970
Yxy	86.9896, 0.2933, 0.3331
Android (android.graphics.Color)	4292147187 (0xFFD4F7F3)
YUV	236.0790, 3.4121, -21.1173
Hunter-Lab	93.2682, -16.6277, 3.2655

# Details

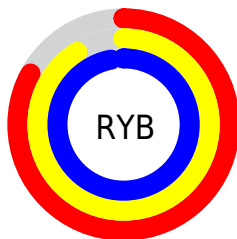
The Yxy color **86.9896, 0.2933, 0.3331** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.8268, 0.3361, 0.3250**, and the grayscale version is **83.9342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0176, 0.2890, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **83.4302, 0.2805, 0.3363**, and if you desaturate by 10%, it is **91.1204, 0.3069, 0.3301**.

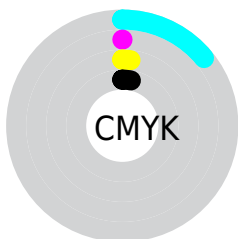
# Distribution



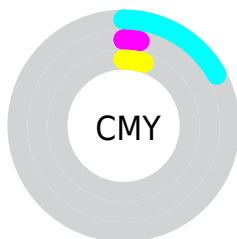
- Red (83%)
- Green (97%)
- Blue (95%)



- Red (83%)
- Yellow (91%)
- Blue (97%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)




- Cyan (17%)
- Magenta (3%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9896, 0.2933, 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 86.9896, 0.2933, 0.3331 by changing the saturation by 10% instead.




 86.9896, 0.2933,  
0.3331

 86.9896, 0.2933,  
0.3331


518.1887, 0.3020,  
0.3313

 65.4866, 0.2914,  
0.3335

143.1496, 0.2963,  
0.3325

 47.8558, 0.2891,  
0.3339


178.5755, 0.2974,  
0.3323

 33.7127, 0.2862,  
0.3345


219.4110, 0.2984,  
0.3321

 22.6730, 0.2824,  
0.3352

266.0407, 0.2993,  
0.3319

 14.3522, 0.2775,  
0.3362

318.8490, 0.3001,  
0.3317

 8.3660, 0.2707,  
0.3374

378.2201, 0.3008,

 4.3300, 0.2607,

0.3316

444.5385, 0.3014,  
0.3314

0.3392

1.8598, 0.2444,  
0.3419

0.5241, 0.1431,  
0.3659

86.9896, 0.2933,  
0.3331

86.9896, 0.2933,  
0.3331

83.4302, 0.2805,  
0.3363

91.1204, 0.3069,  
0.3301

80.4059, 0.2689,  
0.3398

94.5980, 0.3169,  
0.3274

77.8928, 0.2587,  
0.3434

94.7741, 0.3152,  
0.3248

75.8611, 0.2501,  
0.3473

94.9528, 0.3135,  
0.3221

■ 74.2780, 0.2434,  
0.3512

■ 95.0011, 0.3131,  
0.3214

■ 73.1063, 0.2386,  
0.3552

■ 72.3031, 0.2358,  
0.3592

■ 71.8158, 0.2348,  
0.3631

■ 71.6324, 0.2348,  
0.3654

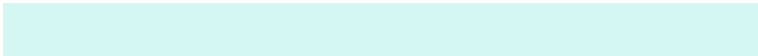
# Harmonies

## Analogous

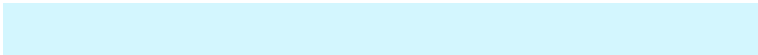
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9896, 0.3049, 0.3448



86.9896, 0.2933, 0.3331



86.9896, 0.2869, 0.3205

# Triad

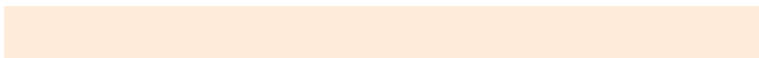
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9896, 0.2933, 0.3331



86.9896, 0.3062, 0.3072



86.9896, 0.3388, 0.3469

# Complementary

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



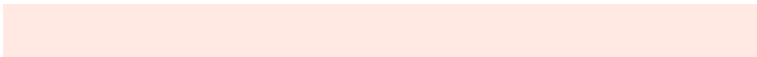
86.9896, 0.2933, 0.3331



71.8268, 0.3361, 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.



86.9896, 0.3393, 0.3366



86.9896, 0.2933, 0.3331



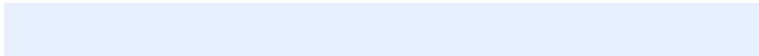
86.9896, 0.3202, 0.3140

# Square

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



86.9896, 0.2933, 0.3331



86.9896, 0.2942, 0.3059



86.9896, 0.3324, 0.3246



86.9896, 0.3313, 0.3527

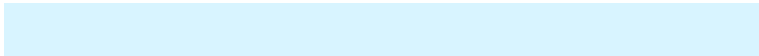


# Rectangle

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



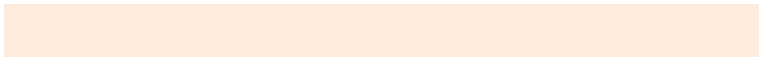
86.9896, 0.2933, 0.3331



86.9896, 0.2863, 0.3134



86.9896, 0.3324, 0.3246



86.9896, 0.3398, 0.3438

# Sweetspot

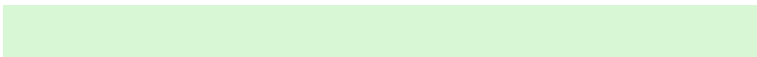
The Sweet Spot groups the original color and five complimentary colors.



86.9932, 0.2933, 0.3331



98.0421, 0.3071, 0.3301



85.8893, 0.3136, 0.3664



20.9087, 0.3061, 0.3303



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

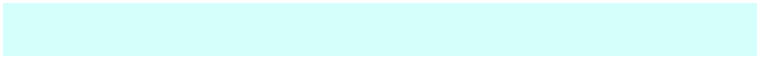


# Same Dimension

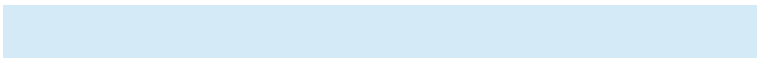
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9932, 0.2933, 0.3331



92.3719, 0.2895, 0.3340



79.3270, 0.2906, 0.3148



18.7235, 0.2996, 0.3317



37.8978, 0.2347, 0.3647



3.3399, 0.2333, 0.3598



# Inverse Universe

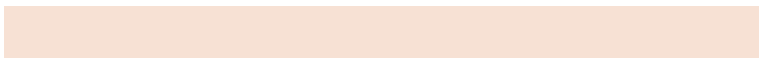
The Inverse Universe completely reimagines the original color for something new.



71.8268, 0.3361, 0.3250



73.1598, 0.3418, 0.3241



78.6098, 0.3371, 0.3428



16.5131, 0.3276, 0.3263



10.5126, 0.6264, 0.3224

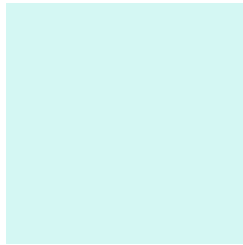


0.9337, 0.6007, 0.3083



# Previews

## White Background



This preview shows how the Yxy color 86.9896, 0.2933, 0.3331 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

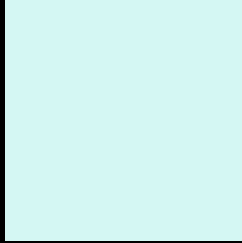
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.9896, 0.2933, 0.3331 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

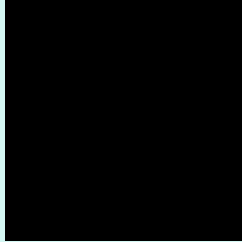
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

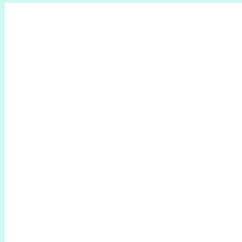
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.9896, 0.2933, 0.3331**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.9896, 0.2933, 0.3331.

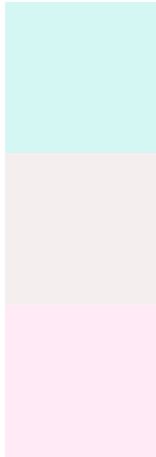


This preview shows how white text looks on a background with the Yxy color 86.9896, 0.2933, 0.3331.

# 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

86.9896, 0.2933, 0.3331

### Protanopia

86.5552, 0.3167, 0.3290

### Deuteranopia

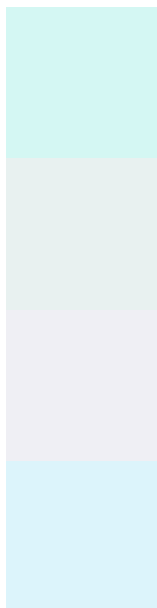
86.6982, 0.3199, 0.3183



## Tritanopia

86.7318, 0.2944, 0.3158

# Trichromacy



## Original Color

86.9896, 0.2933, 0.3331

## Protanomaly

86.3577, 0.3075, 0.3300

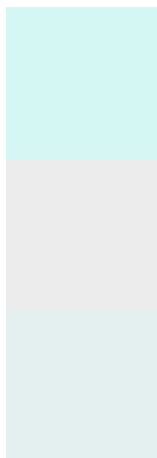
## Deuteranomaly

86.6154, 0.3097, 0.3240

## Tritanomaly

86.8820, 0.2936, 0.3218

# Monochromacy



## Original Color

86.9896, 0.2933, 0.3331

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.8831, 0.3049, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.9896, 0.2933, 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(212, 247, 243)` looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 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(212, 247, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 86.9896, 0.2933, 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(212, 247, 243) }
```

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

```
.border{ border-color:rgb(212, 247, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 247, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 243);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.9896, 0.2933, 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(212, 247, 243) }
```

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

```
.background{ background-color: rgb(212,  
247, 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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