

# Converting Colors

$Yxy(88.6858, 0.2971, 0.3289)$

Have a look what the booklet for  
Yxy(88.6858, 0.2971, 0.3289)  
contains.

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# Color

**Yxy(88.7665, 0.2971, 0.3290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DEF7F7
RGB	222, 247, 247
RGB Percent	87%, 97%, 97%
CMY	0.1296, 0.0313, 0.0315
CMYK	0.10, 0.00, 0.00, 0.03
HSL	180°, 61%, 92%
HSV	180°, 10%, 97%
XYZ	80.1597, 88.7665, 100.8808
YIQ	239.5250, -14.9000, -5.3000

# Conversions

## Conversions Part 2

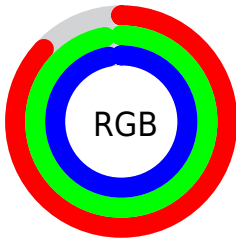
Format	Color
<a href="#">RYB</a>	<a href="#">222, 235, 247</a>
Decimal	<a href="#">14612471</a>
CIELab	<a href="#">95.48, -8.13, -2.76</a>
CIELCh	<a href="#">95, 8.587, 198.775</a>
Yxy	<a href="#">88.7665, 0.2971, 0.3290</a>
Android (android.graphics.Color)	<a href="#">4292802551 (0xFFDEF7F7)</a>
YUV	<a href="#">239.5250, 3.6852, -15.3694</a>
Hunter-Lab	<a href="#">94.2160, -13.0088, 2.4670</a>

# Details

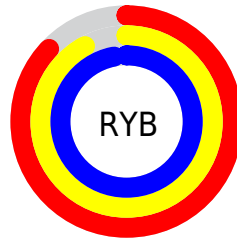
The Yxy color **88.7665, 0.2971, 0.3290** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.2718, 0.3307, 0.3290**, and the grayscale version is **86.7223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2387, 0.2938, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **85.1493, 0.2826, 0.3290**, and if you desaturate by 10%, it is **92.9625, 0.3125, 0.3290**.

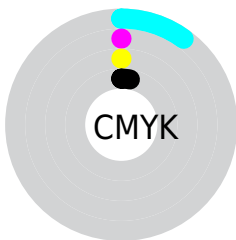
# Distribution



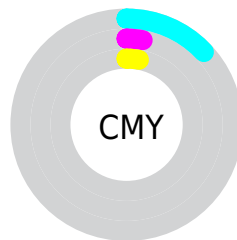
- Red (87%)
- Green (97%)
- Blue (97%)



- Red (87%)
- Yellow (92%)
- Blue (97%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (13%)
- Magenta (3%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7665, 0.2971, 0.3290 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 88.7665, 0.2971, 0.3290 by changing the saturation by 10% instead.




 88.7665, 0.2971,  
0.3290

 88.7665, 0.2971,  
0.3290


524.0101, 0.3041,  
0.3291

 66.9580, 0.2956,  
0.3290


145.6238, 0.2995,  
0.3290

 49.0505, 0.2937,  
0.3290


181.4415, 0.3004,  
0.3290

 34.6596, 0.2914,  
0.3289


222.6976, 0.3012,  
0.3290

 23.4008, 0.2885,  
0.3288

269.7767, 0.3019,  
0.3290

 14.8897, 0.2846,  
0.3287

323.0631, 0.3025,  
0.3290

 8.7420, 0.2792,  
0.3286

382.9412, 0.3031,

 4.5733, 0.2713,

0.3290

449.7954, 0.3036,  
0.3290

0.3282

1.9991, 0.2586,  
0.3275

0.6070, 0.2057,  
0.3300

88.7665, 0.2971,  
0.3290

88.7665, 0.2971,  
0.3290

85.1493, 0.2826,  
0.3290

92.9625, 0.3125,  
0.3290

82.0750, 0.2693,  
0.3290


94.5131, 0.3178,  
0.3290


79.5208, 0.2574,  
0.3291

94.5160, 0.3178,  
0.3289

77.4578, 0.2473,  
0.3291


94.5189, 0.3178,  
0.3289


 75.8546, 0.2391,  
0.3291

 94.5218, 0.3177,  
0.3288

 74.6759, 0.2328,  
0.3292


 94.5247, 0.3177,  
0.3288


 73.8813, 0.2285,  
0.3292

 94.5276, 0.3177,  
0.3287

 73.4227, 0.2259,  
0.3293

 94.5304, 0.3176,  
0.3287

 73.2215, 0.2248,  
0.3293

 94.5333, 0.3176,  
0.3287

# Harmonies

## Analogous

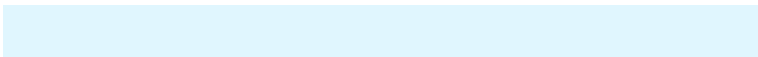
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7665, 0.3043, 0.3376



88.7665, 0.2971, 0.3290



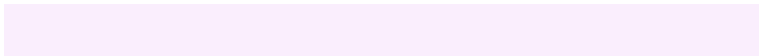
88.7665, 0.2940, 0.3206

# Triad

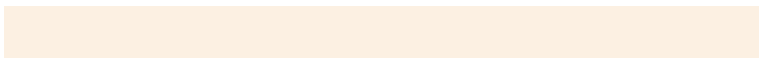
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.7665, 0.2971, 0.3290



88.7665, 0.3114, 0.3147



88.7665, 0.3298, 0.3434

# Complementary

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



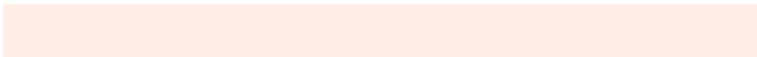
88.7665, 0.2971, 0.3290



77.2718, 0.3307, 0.3290

# 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.



88.7665, 0.3318, 0.3370



88.7665, 0.2971, 0.3290



88.7665, 0.3211, 0.3206

# Square

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



88.7665, 0.2971, 0.3290



88.7665, 0.3022, 0.3125



88.7665, 0.3286, 0.3287



88.7665, 0.3232, 0.3459

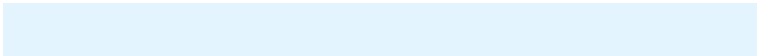


# Rectangle

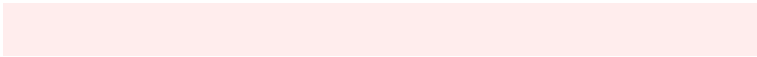
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



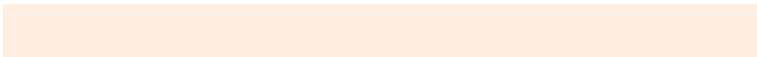
88.7665, 0.2971, 0.3290



88.7665, 0.2947, 0.3162



88.7665, 0.3286, 0.3287



88.7665, 0.3310, 0.3416

# Sweetspot

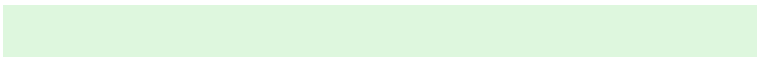
The Sweet Spot groups the original color and five complimentary colors.



88.7702, 0.2971, 0.3290



98.5769, 0.3080, 0.3290



87.3942, 0.3117, 0.3553



21.0202, 0.3068, 0.3290



0.0000, 0.0000, 0.0000

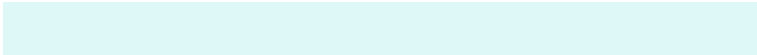


21.4041, 0.3127, 0.3290



# Same Dimension

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



88.7702, 0.2971, 0.3290



94.6476, 0.2943, 0.3290



81.6025, 0.2969, 0.3164



18.7573, 0.2981, 0.3290



38.7176, 0.2248, 0.3293

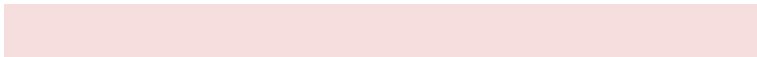


3.4031, 0.2248, 0.3292

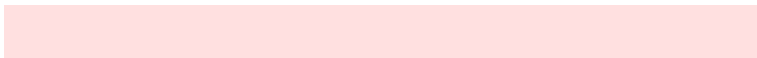


# Inverse Universe

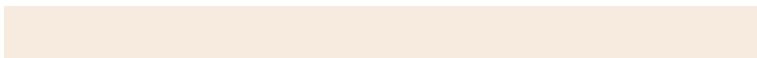
The Inverse Universe completely reimagines the original color for something new.



77.2718, 0.3307, 0.3290



80.1933, 0.3345, 0.3290



83.9354, 0.3293, 0.3413



16.4830, 0.3294, 0.3290



10.4587, 0.6399, 0.3299

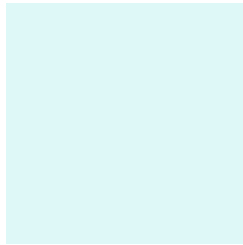


0.9194, 0.6394, 0.3296



# Previews

## White Background



This preview shows how the Yxy color 88.7665, 0.2971, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

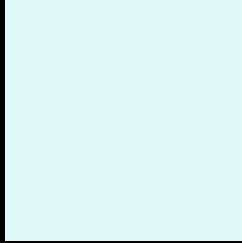
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.7665, 0.2971, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

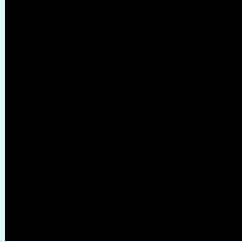
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

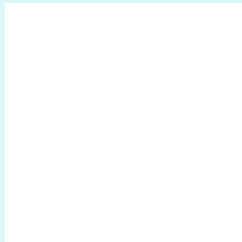
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.7665, 0.2971, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.7665, 0.2971, 0.3290.

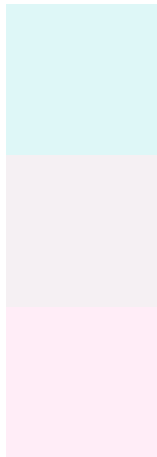


This preview shows how white text looks on a background with the Yxy color 88.7665, 0.2971, 0.3290.

# 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

88.7665, 0.2971, 0.3290

### Protanopia

88.2037, 0.3142, 0.3260

### Deuteranopia

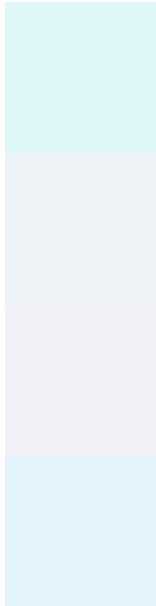
88.5438, 0.3185, 0.3193



## Tritanopia

88.4770, 0.2987, 0.3170

# Trichromacy



**Original Color**

88.7665, 0.2971, 0.3290

**Protanomaly**

88.6374, 0.3083, 0.3280

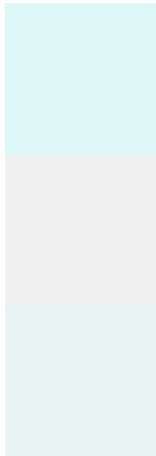
**Deuteranomaly**

88.6807, 0.3104, 0.3231

**Tritanomaly**

88.2236, 0.2979, 0.3209

# Monochromacy



**Original Color**

88.7665, 0.2971, 0.3290

**Achromatopsia**

87.1367, 0.3127, 0.3290

**Achromatomaly**

87.8959, 0.3063, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.7665, 0.2971, 0.3290 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(222, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(222, 247, 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(222, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 247, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 88.7665, 0.2971, 0.3290 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(222, 247, 247) }
```

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

```
.border{ border-color:rgb(222, 247, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(222, 247,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.7665, 0.2971, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 247, 247) }
```

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

```
.background{ background-color: rgb(222,  
247, 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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