

# Converting Colors

$Yxy(89.1600, 0.2970, 0.3308)$

Have a look what the booklet for  
Yxy(89.1600, 0.2970, 0.3308)  
contains.

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# Color

**Yxy(89.1608, 0.2971, 0.3310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDF8F6
RGB	221, 248, 246
RGB Percent	87%, 97%, 96%
CMY	0.1332, 0.0275, 0.0353
CMYK	0.11, 0.00, 0.01, 0.03
HSL	176°, 66%, 92%
HSV	176°, 11%, 97%
XYZ	80.0292, 89.1608, 100.1780
YIQ	239.6990, -15.4500, -6.3460

# Conversions

## Conversions Part 2

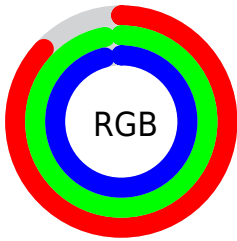
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	221, 235, 248
Decimal	14547190
CIE Lab	95.65, -9.10, -2.03
CIE LCh	96, 9.320, 192.553
Yxy	89.1608, 0.2971, 0.3310
Android (android.graphics.Color)	4292737270 (0xFFDDDF8F6)
YUV	239.6990, 3.1064, -16.3990
Hunter-Lab	94.4250, -13.9574, 3.1952

# Details

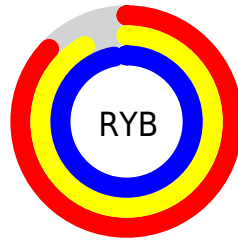
The Yxy color **89.1608, 0.2971, 0.3310** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.0202, 0.3308, 0.3270**, and the grayscale version is **86.8815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5240, 0.2937, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **85.4418, 0.2835, 0.3330**, and if you desaturate by 10%, it is **93.4634, 0.3114, 0.3292**.

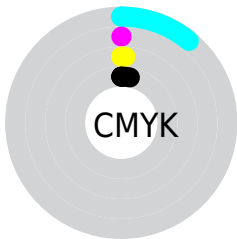
# Distribution



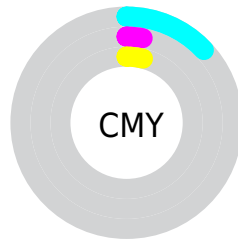
- Red (87%)
- Green (97%)
- Blue (96%)



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



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)




- Cyan (13%)
- Magenta (3%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1608, 0.2971, 0.3310 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 89.1608, 0.2971, 0.3310 by changing the saturation by 10% instead.




 89.1608, 0.2971,  
0.3310

 89.1608, 0.2971,  
0.3310

525.2972, 0.3040,  
0.3302

 67.2848, 0.2956,  
0.3312

146.1722, 0.2995,  
0.3307

 49.3161, 0.2937,  
0.3314

182.0763, 0.3004,  
0.3306

 34.8703, 0.2914,  
0.3317


223.4254, 0.3012,  
0.3305

 23.5630, 0.2885,  
0.3320

270.6036, 0.3019,  
0.3304

 15.0098, 0.2846,  
0.3324

323.9956, 0.3025,  
0.3303

 8.8262, 0.2792,  
0.3329

383.9855, 0.3031,

 4.6280, 0.2714,

0.3303

0.3337

450.9579, 0.3036,  
0.3302

■ 2.0307, 0.2587,  
0.3347

■ 0.6252, 0.2045,  
0.3436

■ 89.1608, 0.2971,  
0.3310

■ 89.1608, 0.2971,  
0.3310

■ 85.4418, 0.2835,  
0.3330

■ 93.4634, 0.3114,  
0.3292

■ 82.2701, 0.2711,  
0.3352

■ 95.2738, 0.3162,  
0.3274

■ 79.6224, 0.2600,  
0.3375

■ 95.3895, 0.3151,  
0.3256

■ 77.4695, 0.2505,  
0.3399

■ 95.5063, 0.3140,  
0.3239

■ 75.7793, 0.2429,  
0.3424

■ 95.6122, 0.3130,  
0.3223

■ 74.5159, 0.2372,  
0.3449

■ 73.6381, 0.2335,  
0.3475

■ 73.0965, 0.2316,  
0.3500

■ 72.8240, 0.2312,  
0.3522

# Harmonies

## Analogous

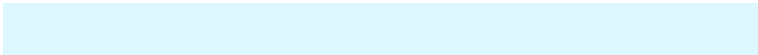
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1608, 0.3056, 0.3400



89.1608, 0.2971, 0.3310



89.1608, 0.2928, 0.3216

# Triad

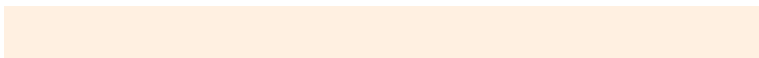
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1608, 0.2971, 0.3310



89.1608, 0.3091, 0.3127



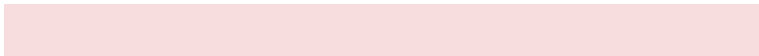
89.1608, 0.3321, 0.3434

# Complementary

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



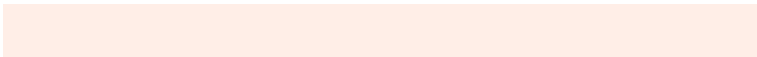
89.1608, 0.2971, 0.3310



77.0202, 0.3308, 0.3270

# 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.



89.1608, 0.3331, 0.3359



89.1608, 0.2971, 0.3310



89.1608, 0.3197, 0.3184

# Square

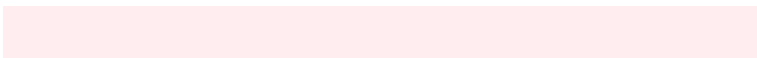
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



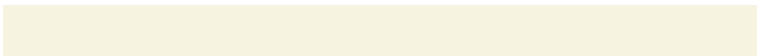
89.1608, 0.2971, 0.3310



89.1608, 0.2996, 0.3112



89.1608, 0.3285, 0.3268

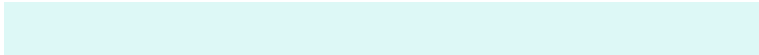


89.1608, 0.3259, 0.3472

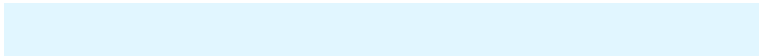


# Rectangle

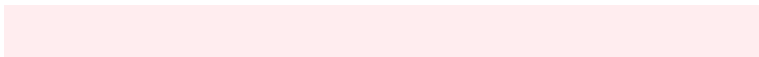
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



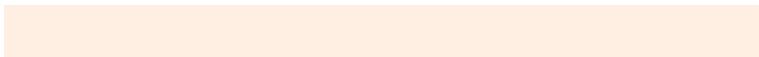
89.1608, 0.2971, 0.3310



89.1608, 0.2927, 0.3164



89.1608, 0.3285, 0.3268



89.1608, 0.3331, 0.3412

# Sweetspot

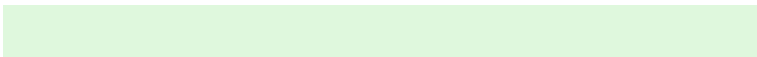
The Sweet Spot groups the original color and five complimentary colors.



89.1645, 0.2971, 0.3310



98.5414, 0.3083, 0.3295



88.0885, 0.3128, 0.3572



21.0106, 0.3072, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

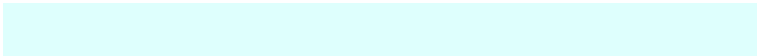


# Same Dimension

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



89.1645, 0.2971, 0.3310



94.0887, 0.2941, 0.3314



82.5879, 0.2958, 0.3173



19.5851, 0.2990, 0.3307



39.3503, 0.2311, 0.3518



3.6510, 0.2302, 0.3489



# Inverse Universe

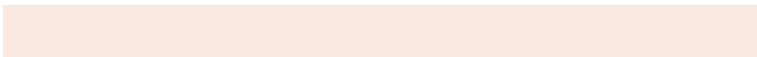
The Inverse Universe completely reimagines the original color for something new.



77.0202, 0.3308, 0.3270



78.8214, 0.3349, 0.3266



83.0450, 0.3308, 0.3404



17.2461, 0.3282, 0.3273



10.8121, 0.6323, 0.3257

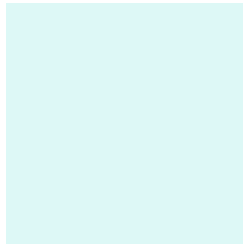


1.0084, 0.6146, 0.3160



# Previews

## White Background



This preview shows how the Yxy color 89.1608, 0.2971, 0.3310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

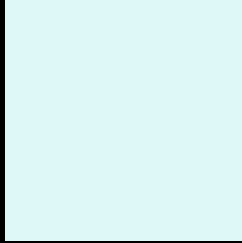
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.1608, 0.2971, 0.3310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

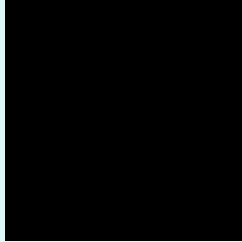
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

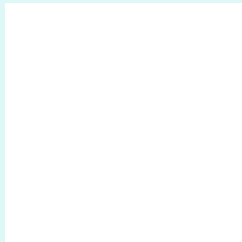
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.1608, 0.2971, 0.3310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.1608, 0.2971, 0.3310.

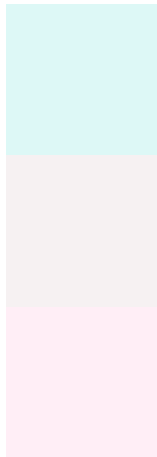


This preview shows how white text looks on a background with the Yxy color 89.1608, 0.2971, 0.3310.

# 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

89.1608, 0.2971, 0.3310

### Protanopia

88.9142, 0.3154, 0.3280

### Deuteranopia

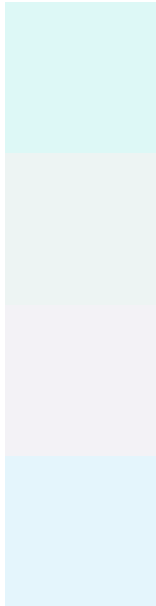
89.0629, 0.3190, 0.3213



## Tritanopia

89.0772, 0.2987, 0.3180

# Trichromacy



## Original Color

89.1608, 0.2971, 0.3310

## Protanomaly

89.1770, 0.3088, 0.3300

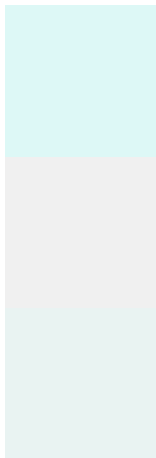
## Deuteranomaly

89.2128, 0.3110, 0.3250

## Tritanomaly

88.8271, 0.2979, 0.3219

# Monochromacy



## Original Color

89.1608, 0.2971, 0.3310

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.8356, 0.3069, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.1608, 0.2971, 0.3310 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(221, 248, 246)` looks like.

```
.text, #text, p{  
    color:rgb(221, 248, 246)  
}
```

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(221, 248, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 248, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 89.1608, 0.2971, 0.3310 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(221, 248, 246) }
```

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

```
.border{ border-color:rgb(221, 248, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 248, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 248, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 248, 246); box-shadow:4px 4px 4px 4px rgb(221, 248, 246) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.1608, 0.2971, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 248, 246) }
```

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

```
.background{ background-color: rgb(221,  
248, 246) }
```

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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