

# Converting Colors

$Yxy(89.7012, 0.2875, 0.3324)$

Have a look what the booklet for  
Yxy(89.7012, 0.2875, 0.3324)  
contains.

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# Color

**Yxy(89.7258, 0.2873, 0.3321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFFCF9
RGB	207, 252, 249
RGB Percent	81%, 99%, 98%
CMY	0.1885, 0.0117, 0.0236
CMYK	0.18, 0.00, 0.01, 0.01
HSL	176°, 88%, 90%
HSV	176°, 18%, 99%
XYZ	77.6219, 89.7258, 102.8294
YIQ	238.2030, -25.8570, -10.4730

# Conversions

## Conversions Part 2

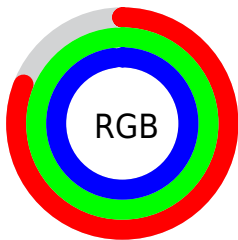
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 230, 252
Decimal	13630713
CIE Lab	95.88, -14.89, -3.32
CIE LCh	96, 15.259, 192.570
Yxy	89.7258, 0.2873, 0.3321
Android (android.graphics.Color)	4291820793 (0xFFCFFCF9)
YUV	238.2030, 5.3229, -27.3650
Hunter-Lab	94.7237, -19.4937, 1.9430

# Details

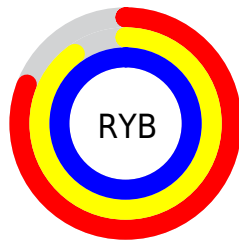
The Yxy color **89.7258, 0.2873, 0.3321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.9406, 0.3452, 0.3260**, and the grayscale version is **85.6293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5559, 0.2816, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **86.2804, 0.2744, 0.3340**, and if you desaturate by 10%, it is **93.7589, 0.3012, 0.3303**.

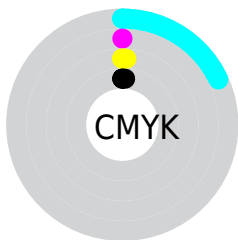
# Distribution



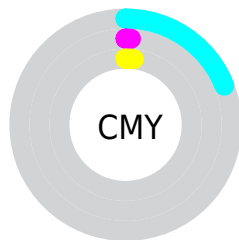
- Red (81%)
- Green (99%)
- Blue (98%)



- Red (81%)
- Yellow (90%)
- Blue (99%)



- Cyan (18%)
- Magenta (0%)
- Yellow (1%)
- Black (1%)




- Cyan (19%)
- Magenta (1%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.7258, 0.2873, 0.3321 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 89.7258, 0.2873, 0.3321 by changing the saturation by 10% instead.



 89.7258, 0.2873,  
0.3321

 89.7258, 0.2873,  
0.3321


527.1385, 0.2986,  
0.3308

 67.7532, 0.2848,  
0.3324


146.9575, 0.2911,  
0.3317

 49.6970, 0.2818,  
0.3327


182.9854, 0.2926,  
0.3315

 35.1727, 0.2781,  
0.3330


224.4672, 0.2939,  
0.3314

 23.7960, 0.2734,  
0.3335

271.7872, 0.2951,  
0.3312

 15.1823, 0.2672,  
0.3340

325.3300, 0.2961,  
0.3311

 8.9474, 0.2587,  
0.3347

385.4799, 0.2970,


 4.7069, 0.2463,

0.3310

452.6213, 0.2978,  
0.3309


0.3356


 2.0763, 0.2267,  
0.3365


 0.6513, 0.1382,  
0.3524


 89.7258, 0.2873,  
0.3321


 89.7258, 0.2873,  
0.3321

 86.2804, 0.2744,  
0.3340

 93.7589, 0.3012,  
0.3303


 83.3841, 0.2628,  
0.3361


 97.9497, 0.3144,  
0.3287


 81.0110, 0.2528,  
0.3383


 98.0585, 0.3134,  
0.3270


 79.1286, 0.2446,  
0.3405

 98.1171, 0.3128,  
0.3262

 77.7008, 0.2383,  
0.3428

 76.6868, 0.2339,  
0.3451

 76.0380, 0.2315,  
0.3474

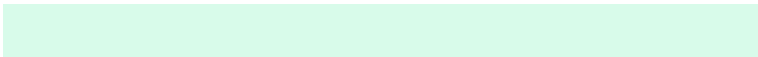
 75.6893, 0.2307,  
0.3497

 75.6344, 0.2306,  
0.3501

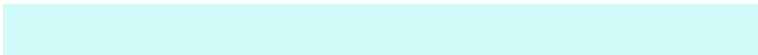
# Harmonies

## Analogous

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



89.7258, 0.3010, 0.3472



89.7258, 0.2873, 0.3321



89.7258, 0.2804, 0.3166

# Triad

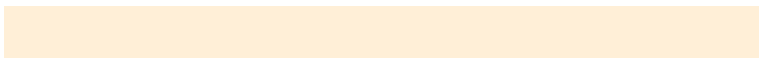
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.7258, 0.2873, 0.3321



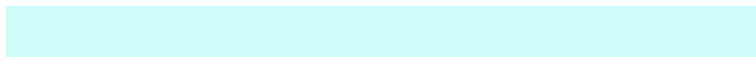
89.7258, 0.3066, 0.3027



89.7258, 0.3445, 0.3523

# Complementary

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



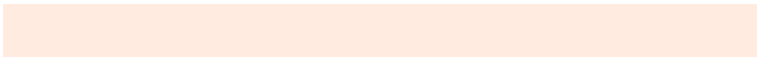
89.7258, 0.2873, 0.3321



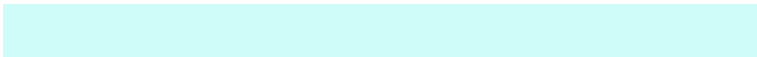
69.9406, 0.3452, 0.3260

# 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.



89.7258, 0.3462, 0.3399



89.7258, 0.2873, 0.3321



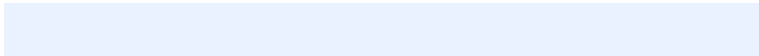
89.7258, 0.3240, 0.3118

# Square

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



89.7258, 0.2873, 0.3321



89.7258, 0.2913, 0.3002



89.7258, 0.3386, 0.3252

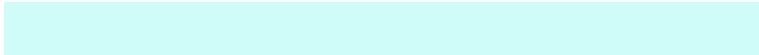


89.7258, 0.3341, 0.3589

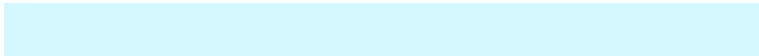


# Rectangle

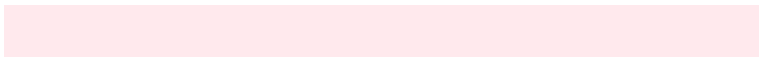
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



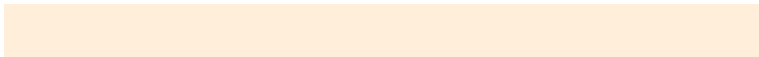
89.7258, 0.2873, 0.3321



89.7258, 0.2804, 0.3082



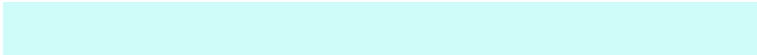
89.7258, 0.3386, 0.3252



89.7258, 0.3461, 0.3487

# Sweetspot

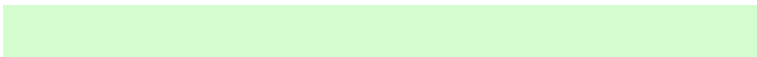
The Sweet Spot groups the original color and five complimentary colors.



89.7295, 0.2873, 0.3321



97.6061, 0.3054, 0.3298



87.9403, 0.3128, 0.3776



20.8224, 0.3044, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

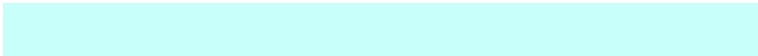


# Same Dimension

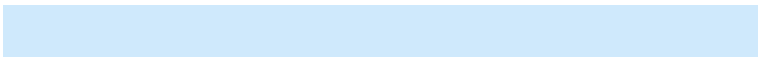
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7295, 0.2873, 0.3321



90.9889, 0.2832, 0.3327



78.6942, 0.2846, 0.3090



19.5871, 0.2989, 0.3306



39.3985, 0.2305, 0.3498



3.6549, 0.2297, 0.3470



# Inverse Universe

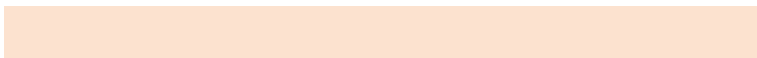
The Inverse Universe completely reimagines the original color for something new.



69.9406, 0.3452, 0.3260



67.6546, 0.3524, 0.3254



79.4400, 0.3442, 0.3482



17.2442, 0.3283, 0.3274



10.8089, 0.6331, 0.3261

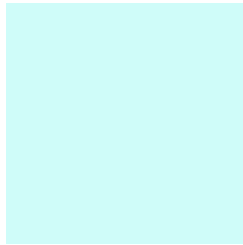


1.0075, 0.6168, 0.3171



# Previews

## White Background



This preview shows how the Yxy color 89.7258, 0.2873, 0.3321 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

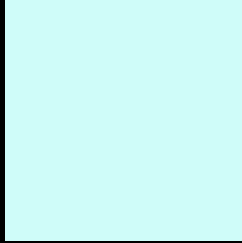
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.7258, 0.2873, 0.3321 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

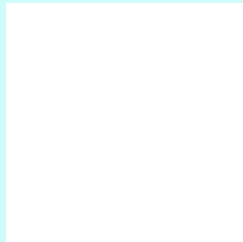
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.7258, 0.2873, 0.3321**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.7258, 0.2873, 0.3321.

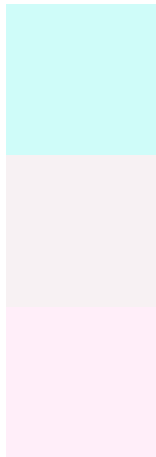


This preview shows how white text looks on a background with the Yxy color 89.7258, 0.2873, 0.3321.

# 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

89.7258, 0.2873, 0.3321

### Protanopia

89.1558, 0.3154, 0.3270

### Deuteranopia

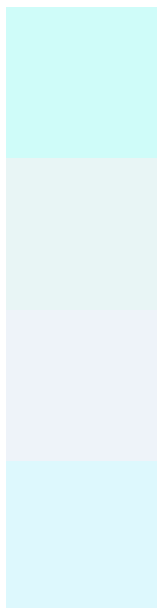
89.2486, 0.3172, 0.3184



## Tritanopia

89.7895, 0.2969, 0.3199

# Trichromacy



## Original Color

89.7258, 0.2873, 0.3321

## Protanomaly

89.0532, 0.3044, 0.3290

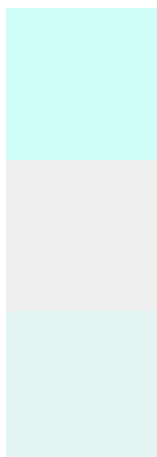
## Deuteranomaly

89.1179, 0.3059, 0.3230

## Tritanomaly

89.5988, 0.2932, 0.3239

# Monochromacy



## Original Color

89.7258, 0.2873, 0.3321

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

86.8429, 0.3031, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.7258, 0.2873, 0.3321 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(207, 252, 249)` looks like.

```
.text, #text, p{  
    color:rgb(207, 252, 249)  
}
```

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(207, 252, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 252, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 89.7258, 0.2873, 0.3321 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(207, 252, 249) }
```

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

```
.border{ border-color:rgb(207, 252, 249) }
```

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

Here you see how a box with a 4 pixel rgb(207, 252, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 252, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 252, 249);  
box-shadow:4px 4px 4px 4px rgb(207, 252,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.7258, 0.2873, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 252, 249) }
```

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

```
.background{ background-color: rgb(207,  
252, 249) }
```

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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