

# Converting Colors

$Yxy(79.9665, 0.2870, 0.3292)$

Have a look what the booklet for  
Yxy(79.9665, 0.2870, 0.3292)  
contains.

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# Color

**Yxy(79.9708, 0.2868, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6EFEF
RGB	198, 239, 239
RGB Percent	78%, 94%, 94%
CMY	0.2236, 0.0627, 0.0626
CMYK	0.17, 0.00, 0.00, 0.06
HSL	180°, 56%, 86%
HSV	180°, 17%, 94%
XYZ	69.7343, 79.9708, 93.4411
YIQ	226.7410, -24.4360, -8.6920

# Conversions

## Conversions Part 2

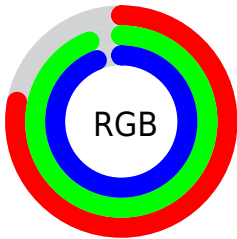
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 219, 239
Decimal	13037551
CIE <sub>Lab</sub>	91.67, -13.14, -4.42
CIE <sub>LCh</sub>	92, 13.864, 198.584
Yxy	79.9708, 0.2868, 0.3289
Android (android.graphics.Color)	4291227631 (0xFFC6EFEF)
YUV	226.7410, 6.0437, -25.2059
Hunter-Lab	89.4264, -17.3026, 0.6467

# Details

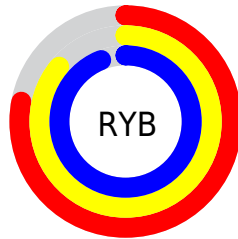
The Yxy color **79.9708, 0.2868, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.8211, 0.3457, 0.3291**, and the grayscale version is **76.5873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1255, 0.2807, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **76.9719, 0.2731, 0.3288**, and if you desaturate by 10%, it is **83.4888, 0.3016, 0.3290**.

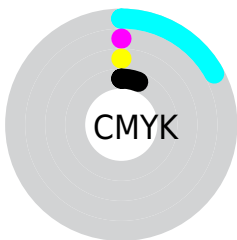
# Distribution



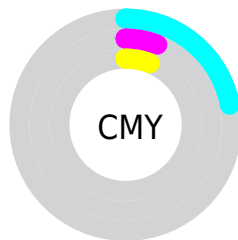
- Red (78%)
- Green (94%)
- Blue (94%)



- Red (78%)
- Yellow (86%)
- Blue (94%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)




- Cyan (22%)
- Magenta (6%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9708, 0.2868, 0.3289 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 79.9708, 0.2868, 0.3289 by changing the saturation by 10% instead.



 79.9708, 0.2868,  
0.3289

 79.9708, 0.2868,  
0.3289


494.8344, 0.2985,  
0.3291

 59.6943, 0.2842,  
0.3288


133.3247, 0.2908,  
0.3290

 43.1723, 0.2810,  
0.3287


167.1709, 0.2924,  
0.3290

 30.0203, 0.2770,  
0.3286


206.3091, 0.2938,  
0.3290

 19.8540, 0.2718,  
0.3284

251.1237, 0.2949,  
0.3290

 12.2890, 0.2649,  
0.3281

301.9992, 0.2960,  
0.3290

 6.9408, 0.2553,  
0.3275


359.3199, 0.2969,


 3.4251, 0.2408,


0.3291


423.4701, 0.2978,  
0.3291


0.3263


 1.3575, 0.2167,  
0.3236


 0.1851, 0.0000,  
0.2661


 79.9708, 0.2868,  
0.3289


 79.9708, 0.2868,  
0.3289


 76.9719, 0.2731,  
0.3288


 83.4888, 0.3016,  
0.3290


 74.4582, 0.2608,  
0.3288


 87.5385, 0.3172,  
0.3290


 72.4072, 0.2501,  
0.3288

 89.2506, 0.3233,  
0.3290


 70.7906, 0.2413,  
0.3287


 89.2573, 0.3233,  
0.3291

 69.5770, 0.2344,  
0.3287


 89.2639, 0.3233,  
0.3291


 68.7308, 0.2294,  
0.3286


 89.2706, 0.3233,  
0.3291

 68.2102, 0.2264,  
0.3286

 89.2772, 0.3233,  
0.3291

 67.9611, 0.2249,  
0.3286

 89.2839, 0.3233,  
0.3291

 67.9155, 0.2246,  
0.3286

 89.2906, 0.3233,  
0.3291

# Harmonies

## Analogous

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



79.9708, 0.2987, 0.3436



79.9708, 0.2868, 0.3289



79.9708, 0.2817, 0.3147

# Triad

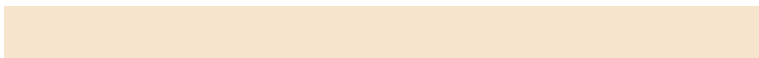
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9708, 0.2868, 0.3289



79.9708, 0.3103, 0.3054



79.9708, 0.3413, 0.3528

# Complementary

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



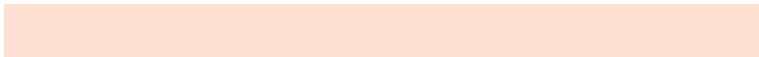
79.9708, 0.2868, 0.3289



62.8211, 0.3457, 0.3291

# 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.



79.9708, 0.3447, 0.3420



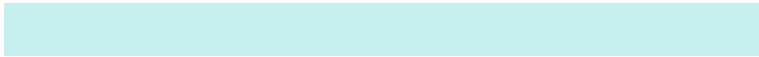
79.9708, 0.2868, 0.3289



79.9708, 0.3265, 0.3150

# Square

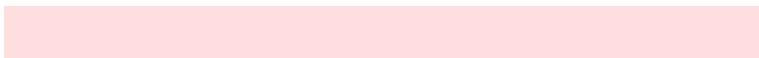
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9708, 0.2868, 0.3289



79.9708, 0.2950, 0.3017



79.9708, 0.3393, 0.3283



79.9708, 0.3302, 0.3575

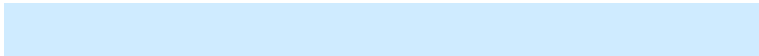


# Rectangle

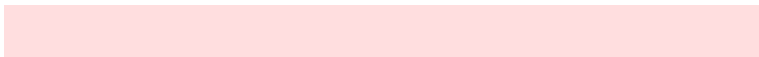
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9708, 0.2868, 0.3289



79.9708, 0.2828, 0.3075



79.9708, 0.3393, 0.3283



79.9708, 0.3434, 0.3498

# Sweetspot

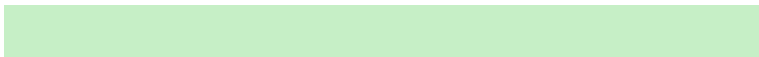
The Sweet Spot groups the original color and five complimentary colors.



79.9741, 0.2868, 0.3289



97.6576, 0.3049, 0.3290



77.8284, 0.3105, 0.3756



20.8350, 0.3038, 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.



79.9741, 0.2868, 0.3289



91.2037, 0.2813, 0.3289



68.6420, 0.2857, 0.3061



17.9276, 0.2981, 0.3289



37.5228, 0.2246, 0.3286



3.1220, 0.2246, 0.3286



# Inverse Universe

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



64.9681, 0.3147, 0.2865



70.4618, 0.3152, 0.2767



72.8368, 0.3421, 0.3509



16.0313, 0.3138, 0.3058



13.5813, 0.3210, 0.1542

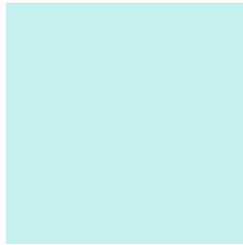


1.1299, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 79.9708, 0.2868, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

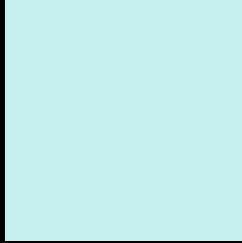
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.9708, 0.2868, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

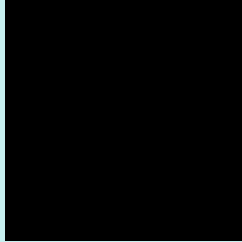
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.9708, 0.2868, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.9708, 0.2868, 0.3289.

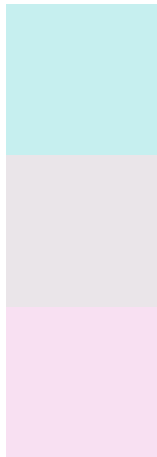


This preview shows how white text looks on a background with the Yxy color 79.9708, 0.2868, 0.3289.

# 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

79.9708, 0.2868, 0.3289

### Protanopia

79.4142, 0.3136, 0.3249

### Deuteranopia

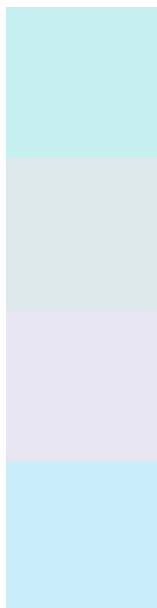
79.6786, 0.3177, 0.3110



## Tritanopia

79.7675, 0.2802, 0.3087

# Trichromacy



## Original Color

79.9708, 0.2868, 0.3289

## Protanomaly

79.6481, 0.3035, 0.3269

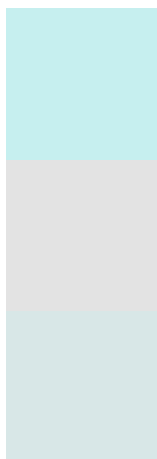
## Deuteranomaly

79.2125, 0.3059, 0.3166

## Tritanomaly

79.8254, 0.2830, 0.3161

# Monochromacy



## Original Color

79.9708, 0.2868, 0.3289

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

77.5203, 0.3027, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.9708, 0.2868, 0.3289 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(198, 239, 239)` looks like.

```
.text, #text, p{  
    color:rgb(198, 239, 239)  
}
```

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(198, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 239, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 79.9708, 0.2868, 0.3289 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(198, 239, 239) }
```

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

```
.border{ border-color:rgb(198, 239, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 239, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 239, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 239, 239);  
box-shadow:4px 4px 4px 4px rgb(198, 239,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.9708, 0.2868, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 239, 239) }
```

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

```
.background{ background-color: rgb(198,  
239, 239) }
```

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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