

# Converting Colors

$Yxy(77.7631, 0.2909, 0.3290)$

Have a look what the booklet for  
Yxy(77.7631, 0.2909, 0.3290)  
contains.

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# Color

**Yxy(77.8323, 0.2907, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9EBEB
RGB	201, 235, 235
RGB Percent	79%, 92%, 92%
CMY	0.2118, 0.0784, 0.0783
CMYK	0.14, 0.00, 0.00, 0.08
HSL	180°, 46%, 85%
HSV	180°, 14%, 92%
XYZ	68.7925, 77.8323, 90.0195
YIQ	224.8340, -20.2640, -7.2080

# Conversions

## Conversions Part 2

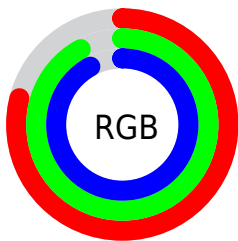
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	201, 218, 235
Decimal	13233131
CIE Lab	90.70, -11.01, -3.74
CIE LCh	91, 11.624, 198.765
Yxy	77.8323, 0.2907, 0.3289
Android (android.graphics.Color)	4291423211 (0xFFC9EBEB)
YUV	224.8340, 5.0118, -20.9024
Hunter-Lab	88.2226, -15.2024, 1.2582

# Details

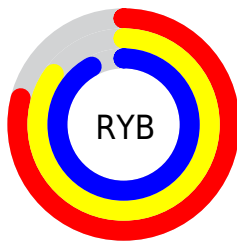
The Yxy color **77.8323, 0.2907, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.6672, 0.3396, 0.3291**, and the grayscale version is **75.1457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6979, 0.2863, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **74.8119, 0.2767, 0.3288**, and if you desaturate by 10%, it is **81.3575, 0.3057, 0.3290**.

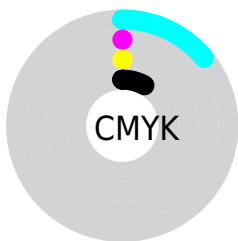
# Distribution



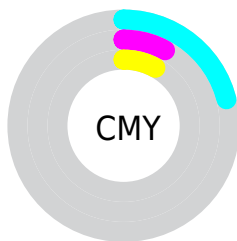
- Red (79%)
- Green (92%)
- Blue (92%)



- Red (79%)
- Yellow (85%)
- Blue (92%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (21%)
- Magenta (8%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8323, 0.2907, 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 77.8323, 0.2907, 0.3289 by changing the saturation by 10% instead.



■ 77.8323, 0.2907,  
0.3289

■ 77.8323, 0.2907,  
0.3289

487.5971, 0.3007,  
0.3290

■ 57.9362, 0.2885,  
0.3289

130.3137, 0.2941,  
0.3290

■ 41.7574, 0.2857,  
0.3288

163.6678, 0.2955,  
0.3290

■ 28.9114, 0.2822,  
0.3287

202.2767, 0.2967,  
0.3290

■ 19.0138, 0.2777,  
0.3285

246.5248, 0.2977,  
0.3290

■ 11.6802, 0.2717,  
0.3283

296.7965, 0.2986,  
0.3290

■ 6.5263, 0.2632,  
0.3278

353.4762, 0.2994,

■ 3.1677, 0.2503,

0.3290

416.9483, 0.3001,  
0.3290

0.3269

1.2199, 0.2283,  
0.3247

0.0779, 0.0000,  
0.1836

77.8323, 0.2907,  
0.3289

77.8323, 0.2907,  
0.3289

74.8119, 0.2767,  
0.3288

81.3575, 0.3057,  
0.3290

72.2641, 0.2640,  
0.3288


85.3990, 0.3215,  
0.3290


70.1678, 0.2528,  
0.3287


86.7149, 0.3262,  
0.3291

68.4964, 0.2435,  
0.3287

86.7267, 0.3262,  
0.3291

 67.2209, 0.2361,  
0.3286


 86.7385, 0.3262,  
0.3291

 66.3082, 0.2306,  
0.3286


 86.7504, 0.3262,  
0.3291


 65.7202, 0.2270,  
0.3285

 86.7622, 0.3262,  
0.3292

 65.4101, 0.2251,  
0.3285

 86.7740, 0.3262,  
0.3292

 65.3183, 0.2246,  
0.3285

 86.7859, 0.3262,  
0.3292

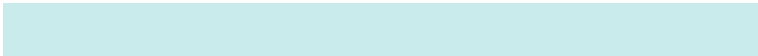
# Harmonies

## Analogous

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



77.8323, 0.3008, 0.3412



77.8323, 0.2907, 0.3289



77.8323, 0.2864, 0.3169

# Triad

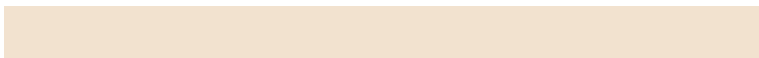
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8323, 0.2907, 0.3289



77.8323, 0.3108, 0.3090



77.8323, 0.3369, 0.3493

# Complementary

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



77.8323, 0.2907, 0.3289



63.6672, 0.3396, 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.



77.8323, 0.3398, 0.3402



77.8323, 0.2907, 0.3289



77.8323, 0.3245, 0.3172

# Square

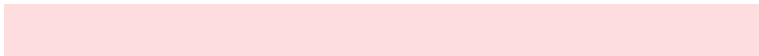
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8323, 0.2907, 0.3289



77.8323, 0.2978, 0.3058



77.8323, 0.3352, 0.3285



77.8323, 0.3275, 0.3531

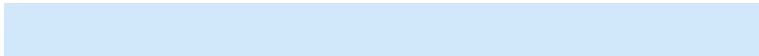


# Rectangle

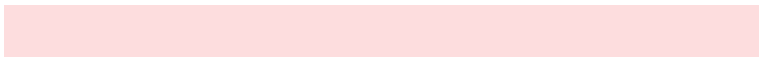
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8323, 0.2907, 0.3289



77.8323, 0.2874, 0.3108



77.8323, 0.3352, 0.3285



77.8323, 0.3387, 0.3467

# Sweetspot

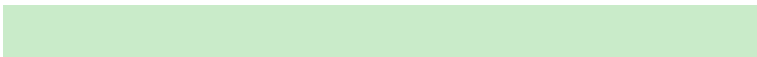
The Sweet Spot groups the original color and five complimentary colors.



77.8355, 0.2907, 0.3289



98.1108, 0.3065, 0.3290



76.0691, 0.3109, 0.3676



20.9261, 0.3053, 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.



77.8355, 0.2907, 0.3289



92.6608, 0.2870, 0.3289



68.5655, 0.2901, 0.3100



17.1195, 0.2981, 0.3289



36.3417, 0.2246, 0.3285



2.8544, 0.2246, 0.3285



# Inverse Universe

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



65.4351, 0.3144, 0.2933



75.3897, 0.3147, 0.2868



72.0338, 0.3370, 0.3473



15.3136, 0.3138, 0.3058



13.1615, 0.3211, 0.1543

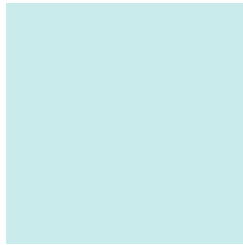


1.0336, 0.3211, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 77.8323, 0.2907, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

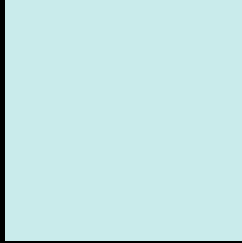
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.8323, 0.2907, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

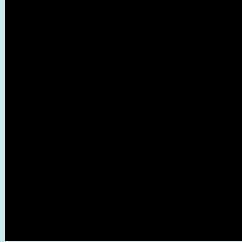
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

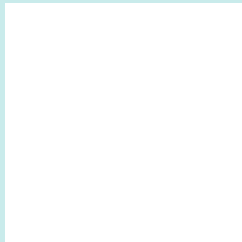
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.8323, 0.2907, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8323, 0.2907, 0.3289.

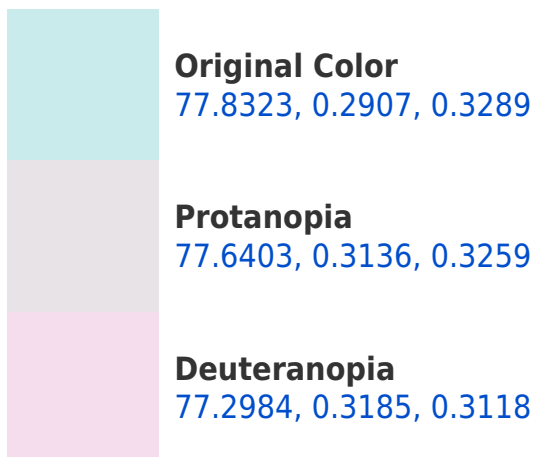


This preview shows how white text looks on a background with the Yxy color 77.8323, 0.2907, 0.3289.

# 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

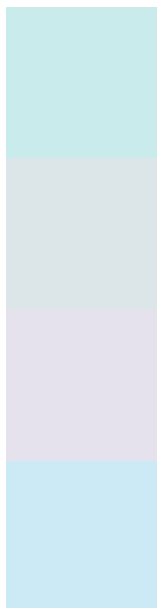




## Tritanopia

78.0802, 0.2834, 0.3097

# Trichromacy



## Original Color

77.8323, 0.2907, 0.3289

## Protanomaly

77.6355, 0.3047, 0.3268

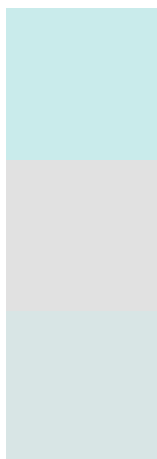
## Deuteranomaly

77.1652, 0.3078, 0.3175

## Tritanomaly

78.1347, 0.2862, 0.3171

# Monochromacy



## Original Color

77.8323, 0.2907, 0.3289

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

76.2947, 0.3039, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.8323, 0.2907, 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(201, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(201, 235, 235)  
}
```

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(201, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 235, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8323, 0.2907, 0.3289 is called "border". The border property can be set on classes, ids or directly on the HTML element.

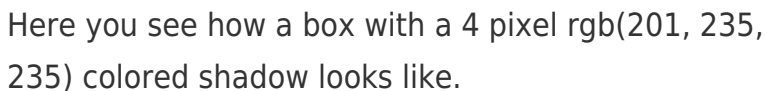
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 235, 235) }
```

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

```
.border{ border-color:rgb(201, 235, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(201, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 235, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 235, 235); box-shadow:4px 4px 4px 4px rgb(201, 235, 235) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8323, 0.2907, 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(201, 235, 235) }
```

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

```
.background{ background-color: rgb(201,  
235, 235) }
```

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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