

# Converting Colors

$Yxy(78.7002, 0.2809, 0.3285)$

Have a look what the booklet for  
Yxy(78.7002, 0.2809, 0.3285)  
contains.

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# Color

**Yxy(78.6564, 0.2809, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCEFEF
RGB	188, 239, 239
RGB Percent	74%, 94%, 94%
CMY	0.2630, 0.0627, 0.0627
CMYK	0.21, 0.00, 0.00, 0.06
HSL	180°, 62%, 84%
HSV	180°, 21%, 94%
XYZ	67.1772, 78.6564, 93.3163
YIQ	223.7510, -30.3960, -10.8120

# Conversions

## Conversions Part 2

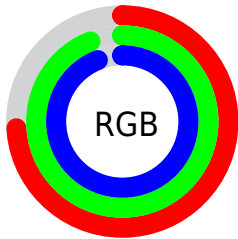
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 214, 239
Decimal	12382191
CIE <sub>Lab</sub>	91.08, -16.17, -5.36
CIE <sub>LCh</sub>	91, 17.030, 198.333
Yxy	78.6564, 0.2809, 0.3289
Android (android.graphics.Color)	4290572271 (0xFFBCEFEF)
YUV	223.7510, 7.5178, -31.3536
Hunter-Lab	88.6884, -19.9997, -0.3019

# Details

The Yxy color **78.6564, 0.2809, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.9273, 0.3559, 0.3291**, and the grayscale version is **74.3113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **42.3542, 0.2742, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **75.8714, 0.2678, 0.3289**, and if you desaturate by 10%, it is **81.9505, 0.2953, 0.3289**.

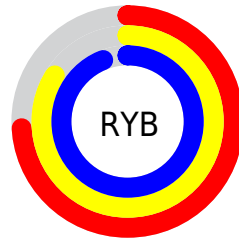
# Distribution



Red (74%)

Green (94%)

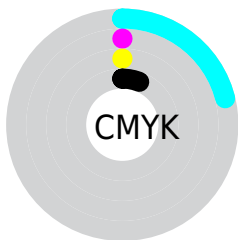
Blue (94%)



Red (74%)

Yellow (84%)

Blue (94%)

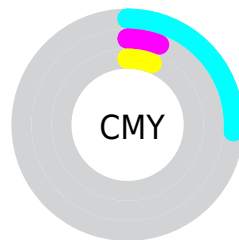


Cyan (21%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (26%)

Magenta (6%)


Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6564, 0.2809, 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 78.6564, 0.2809, 0.3289 by changing the saturation by 10% instead.




 78.6564, 0.2809,  
0.3289

 78.6564, 0.2809,  
0.3289

490.3932, 0.2953,  
0.3291

 58.6133, 0.2777,  
0.3288


 131.4750, 0.2858,  
0.3290

 42.3019, 0.2738,  
0.3287


165.0194, 0.2878,  
0.3290

 29.3378, 0.2688,  
0.3285


203.8330, 0.2894,  
0.3291

 19.3365, 0.2625,  
0.3282

248.3002, 0.2909,  
0.3291

 11.9137, 0.2540,  
0.3277

298.8054, 0.2922,  
0.3291

 6.6849, 0.2421,  
0.3268

355.7331, 0.2934,

 3.2658, 0.2244,

0.3291

419.4675, 0.2944,  
0.3291

0.3251

1.2721, 0.1946,  
0.3211

0.1194, 0.0000,  
0.1914

78.6564, 0.2809,  
0.3289

78.6564, 0.2809,  
0.3289

75.8714, 0.2678,  
0.3289

81.9505, 0.2953,  
0.3289

73.5610, 0.2561,  
0.3288


85.7671, 0.3106,  
0.3290


71.7017, 0.2462,  
0.3288


89.2380, 0.3233,  
0.3290


70.2640, 0.2382,  
0.3288

89.2390, 0.3233,  
0.3290


 69.2150, 0.2321,  
0.3287


 89.2399, 0.3233,  
0.3290


 68.5167, 0.2280,  
0.3287


 89.2409, 0.3233,  
0.3290

 68.1238, 0.2256,  
0.3287

 89.2419, 0.3233,  
0.3290

 67.9676, 0.2247,  
0.3287

 89.2428, 0.3233,  
0.3290

 89.2438, 0.3233,  
0.3290

# Harmonies

## Analogous

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



78.6564, 0.2955, 0.3472



78.6564, 0.2809, 0.3289



78.6564, 0.2747, 0.3113

# Triad

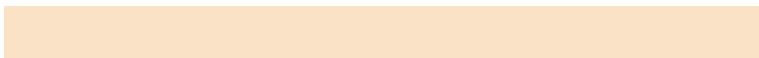
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.6564, 0.2809, 0.3289



78.6564, 0.3094, 0.3000



78.6564, 0.3482, 0.3582

# Complementary

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



78.6564, 0.2809, 0.3289



57.9273, 0.3559, 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.



78.6564, 0.3523, 0.3447



78.6564, 0.2809, 0.3289



78.6564, 0.3296, 0.3117

# Square

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



78.6564, 0.2809, 0.3289



78.6564, 0.2907, 0.2955



78.6564, 0.3455, 0.3278



78.6564, 0.3344, 0.3643

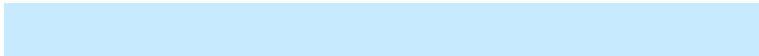


# Rectangle

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



78.6564, 0.2809, 0.3289



78.6564, 0.2759, 0.3025



78.6564, 0.3455, 0.3278



78.6564, 0.3508, 0.3544

# Sweetspot

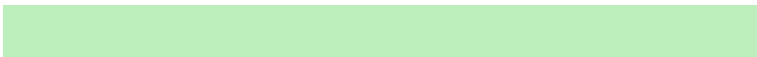
The Sweet Spot groups the original color and five complimentary colors.



78.6596, 0.2809, 0.3289



97.2121, 0.3034, 0.3290



76.0571, 0.3099, 0.3885



20.7454, 0.3024, 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.



78.6596, 0.2809, 0.3289



89.5176, 0.2745, 0.3289



64.7492, 0.2789, 0.2998



17.9288, 0.2981, 0.3290



37.5537, 0.2247, 0.3287



3.1242, 0.2247, 0.3287



# Inverse Universe

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



60.5302, 0.3152, 0.2759



64.7460, 0.3158, 0.2641



69.8141, 0.3503, 0.3565



16.0314, 0.3138, 0.3057



13.5844, 0.3209, 0.1542

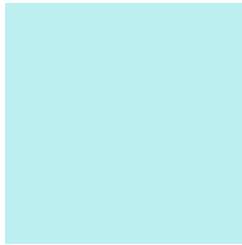


1.1301, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 78.6564, 0.2809, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

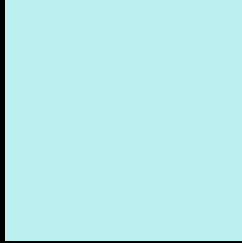
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.6564, 0.2809, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

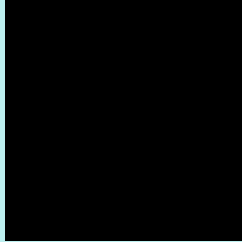
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.6564, 0.2809, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.6564, 0.2809, 0.3289.

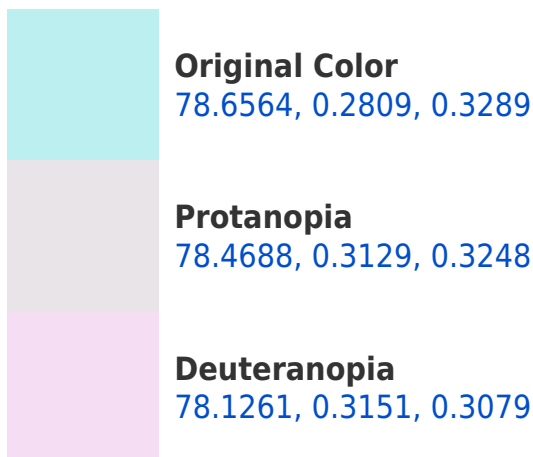


This preview shows how white text looks on a background with the Yxy color 78.6564, 0.2809, 0.3289.

# 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

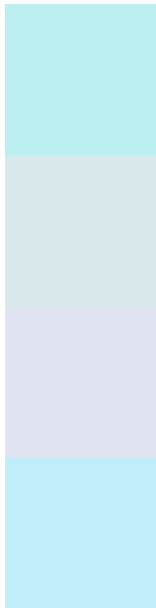




## Tritanopia

78.4174, 0.2745, 0.3084

# Trichromacy



## Original Color

78.6564, 0.2809, 0.3289

## Protanomaly

78.3103, 0.3002, 0.3258

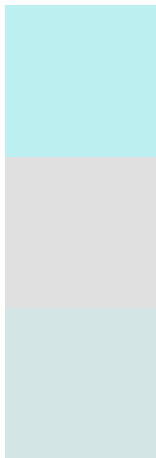
## Deuteranomaly

77.7449, 0.3012, 0.3143

## Tritanomaly

78.4843, 0.2771, 0.3158

# Monochromacy



## Original Color

78.6564, 0.2809, 0.3289

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

75.5446, 0.3006, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.6564, 0.2809, 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(188, 239, 239)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 239, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 239, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6564, 0.2809, 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(188, 239, 239) }
```

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

```
.border{ border-color:rgb(188, 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(188, 239, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 239, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 239, 239);  
box-shadow:4px 4px 4px 4px rgb(188, 239,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.6564, 0.2809, 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(188, 239, 239) }
```

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

```
.background{ background-color: rgb(188,  
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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