

# Converting Colors

$Yxy(77.5172, 0.3060, 0.3501)$

Have a look what the booklet for  
Yxy(77.5172, 0.3060, 0.3501)  
contains.

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# Color

**Yxy(77.6399, 0.3058, 0.3500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFEBD8
RGB	207, 235, 216
RGB Percent	81%, 92%, 85%
CMY	0.1882, 0.0784, 0.1531
CMYK	0.12, 0.00, 0.08, 0.08
HSL	139°, 41%, 87%
HSV	139°, 12%, 92%
XYZ	67.8351, 77.6399, 76.3533
YIQ	224.4620, -10.5890, -11.8450

# Conversions

## Conversions Part 2

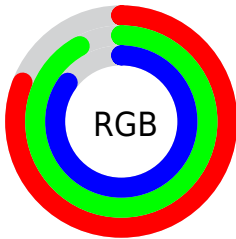
Format	Color
<a href="#">RYB</a>	<a href="#">207, 228, 235</a>
Decimal	<a href="#">13626328</a>
CIELab	<a href="#">90.62, -12.72, 6.13</a>
CIELCh	<a href="#">91, 14.121, 154.254</a>
Yxy	<a href="#">77.6399, 0.3058, 0.3500</a>
Android (android.graphics.Color)	<a href="#">4291816408</a> ( <a href="#">0xFFCFEBD8</a> )
YUV	<a href="#">224.4620, -4.1718, -15.3142</a>
Hunter-Lab	<a href="#">88.1135, -16.7786, 10.3027</a>

# Details

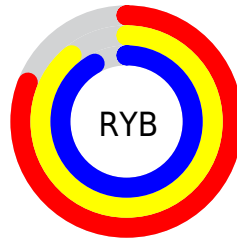
The Yxy color **77.6399, 0.3058, 0.3500** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.7915, 0.3204, 0.3089**, and the grayscale version is **74.9276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5857, 0.3047, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **73.7192, 0.3001, 0.3700**, and if you desaturate by 10%, it is **82.1514, 0.3116, 0.3322**.

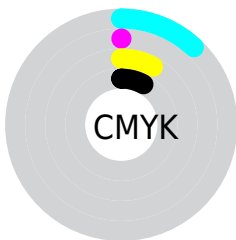
# Distribution



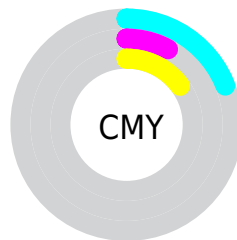
- Red (81%)
- Green (92%)
- Blue (85%)



- Red (81%)
- Yellow (89%)
- Blue (92%)



- Cyan (12%)
- Magenta (0%)
- Yellow (8%)
- Black (8%)



- Cyan (19%)
- Magenta (8%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6399, 0.3058, 0.3500 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 77.6399, 0.3058, 0.3500 by changing the saturation by 10% instead.



■ 77.6399, 0.3058,  
0.3500

■ 77.6399, 0.3058,  
0.3500

486.9430, 0.3090,  
0.3402

■ 57.7782, 0.3050,  
0.3522

130.0424, 0.3069,  
0.3466

■ 41.6304, 0.3041,  
0.3550

163.3519, 0.3074,  
0.3453

■ 28.8120, 0.3029,  
0.3586

201.9129, 0.3077,  
0.3442

■ 18.9386, 0.3013,  
0.3632

246.1098, 0.3081,  
0.3432

■ 11.6259, 0.2992,  
0.3696

296.3268, 0.3084,  
0.3423

■ 6.4895, 0.2960,  
0.3789

352.9484, 0.3086,

■ 3.1450, 0.2908,

0.3415

416.3590, 0.3088,  
0.3409

0.3937

1.2079, 0.2815,  
0.4216

0.0681, 0.0000,  
1.0000

77.6399, 0.3058,  
0.3500

77.6399, 0.3058,  
0.3500

73.7192, 0.3001,  
0.3700

82.1514, 0.3116,  
0.3322

70.3549, 0.2947,  
0.3923

87.2669, 0.3174,  
0.3164

67.5242, 0.2900,  
0.4164

87.8989, 0.3136,  
0.3097

65.1986, 0.2861,  
0.4421

■ 63.3471, 0.2835,  
0.4686

■ 61.9351, 0.2824,  
0.4948

■ 60.9230, 0.2831,  
0.5197

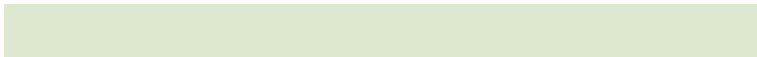
■ 60.2635, 0.2854,  
0.5419

■ 59.9290, 0.2881,  
0.5573

# Harmonies

## Analogous

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



77.6399, 0.3226, 0.3576



77.6399, 0.3058, 0.3500



77.6399, 0.2912, 0.3363

# Triad

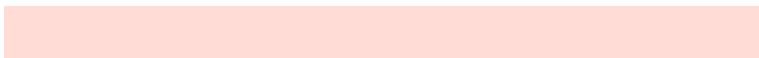
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6399, 0.3058, 0.3500



77.6399, 0.2886, 0.3016



77.6399, 0.3441, 0.3358

# Complementary

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



77.6399, 0.3058, 0.3500



67.7915, 0.3204, 0.3089

# 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.



77.6399, 0.3345, 0.3215



77.6399, 0.3058, 0.3500



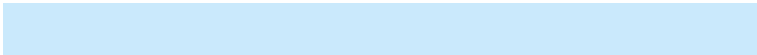
77.6399, 0.3023, 0.3021

# Square

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



77.6399, 0.3058, 0.3500



77.6399, 0.2814, 0.3083



77.6399, 0.3191, 0.3093



77.6399, 0.3450, 0.3488



# Rectangle

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



77.6399, 0.3058, 0.3500



77.6399, 0.2845, 0.3259



77.6399, 0.3191, 0.3093



77.6399, 0.3417, 0.3310

# Sweetspot

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



77.6432, 0.3058, 0.3500



97.6777, 0.3104, 0.3357



80.1165, 0.3243, 0.3590



20.8164, 0.3099, 0.3371



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

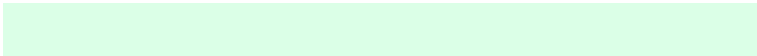


# Same Dimension

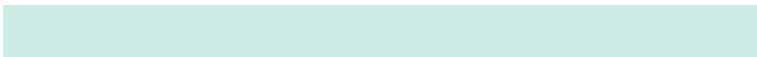
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6432, 0.3058, 0.3500



92.3801, 0.3046, 0.3541



78.3931, 0.2975, 0.3345



16.9415, 0.3072, 0.3454



33.3725, 0.2874, 0.5545



2.6375, 0.2796, 0.5266



# Inverse Universe

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



67.7915, 0.3204, 0.3089



78.5861, 0.3219, 0.3051



67.0585, 0.3304, 0.3235



15.2270, 0.3187, 0.3131



11.2637, 0.4219, 0.2098

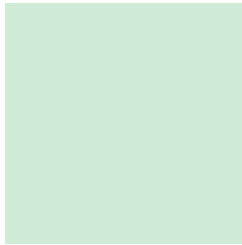


0.9019, 0.4044, 0.2002



# Previews

## White Background



This preview shows how the Yxy color 77.6399, 0.3058, 0.3500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

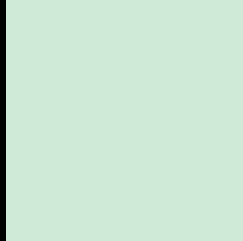
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.6399, 0.3058, 0.3500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

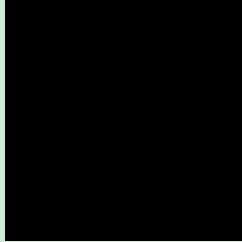
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

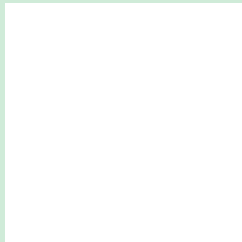
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.6399, 0.3058, 0.3500**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.6399, 0.3058, 0.3500.

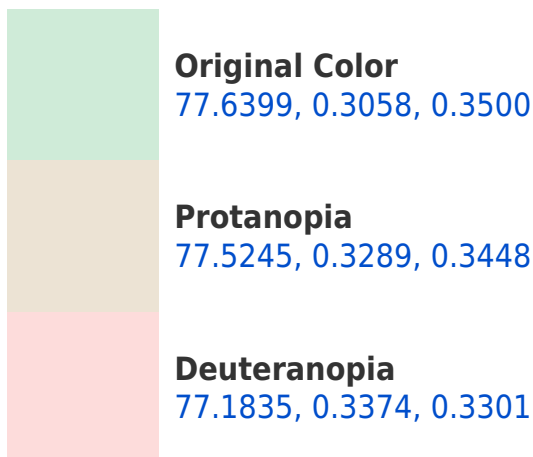


This preview shows how white text looks on a background with the Yxy color 77.6399, 0.3058, 0.3500.

# 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

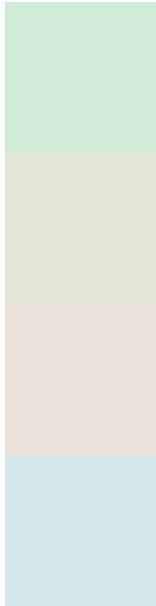




## Tritanopia

77.3680, 0.2899, 0.3099

# Trichromacy



**Original Color**

77.6399, 0.3058, 0.3500

**Protanomaly**

77.4053, 0.3201, 0.3473

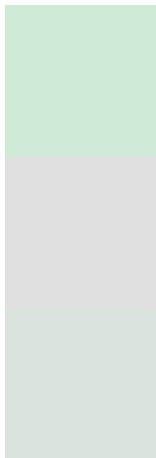
**Deuteranomaly**

76.7452, 0.3251, 0.3364

**Tritanomaly**

77.4710, 0.2957, 0.3246

# Monochromacy



**Original Color**

77.6399, 0.3058, 0.3500

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.6127, 0.3103, 0.3366

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.6399, 0.3058, 0.3500 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, 235, 216)` looks like.

```
.text, #text, p{  
    color:rgb(207, 235, 216)  
}
```

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, 235, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 235, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 77.6399, 0.3058, 0.3500 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, 235, 216) }
```

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

```
.border{ border-color:rgb(207, 235, 216) }
```

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

Here you see how a box with a 4 pixel rgb(207, 235, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 235, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 235, 216);  
box-shadow:4px 4px 4px 4px rgb(207, 235,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.6399, 0.3058, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 235, 216) }
```

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

```
.background{ background-color: rgb(207,  
235, 216) }
```

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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