

# Converting Colors

$Yxy(76.6917, 0.2983, 0.3369)$

Have a look what the booklet for  
Yxy(76.6917, 0.2983, 0.3369)  
contains.

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# Color

**Yxy(76.7479, 0.2985, 0.3367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDE9E2
RGB	205, 233, 226
RGB Percent	80%, 91%, 89%
CMY	0.1960, 0.0862, 0.1139
CMYK	0.12, 0.00, 0.03, 0.09
HSL	165°, 39%, 86%
HSV	165°, 12%, 91%
XYZ	68.0405, 76.7479, 83.1531
YIQ	223.8300, -14.4410, -8.1130

# Conversions

## Conversions Part 2

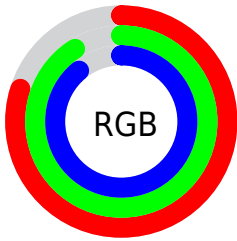
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 221, 233
Decimal	13494754
CIE <sub>Lab</sub>	90.21, -10.50, 0.30
CIE <sub>LCh</sub>	90, 10.506, 178.354
Yxy	76.7479, 0.2985, 0.3367
Android (android.graphics.Color)	4291684834 (0xFFCDE9E2)
YUV	223.8300, 1.0698, -16.5139
Hunter-Lab	87.6059, -14.6754, 5.0477

# Details

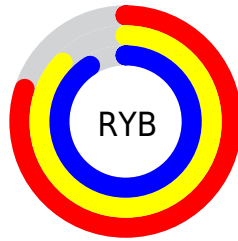
The Yxy color **76.7479, 0.2985, 0.3367** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7474, 0.3292, 0.3214**, and the grayscale version is **74.4148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.9639, 0.2953, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **73.3641, 0.2873, 0.3438**, and if you desaturate by 10%, it is **80.6426, 0.3103, 0.3302**.

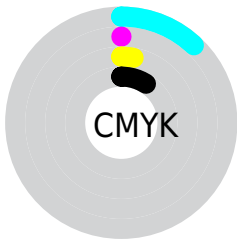
# Distribution



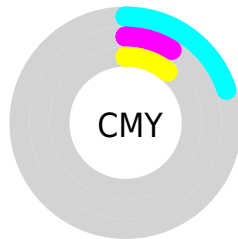
- Red (80%)
- Green (91%)
- Blue (89%)



- Red (80%)
- Yellow (87%)
- Blue (91%)



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (20%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7479, 0.2985, 0.3367 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 76.7479, 0.2985, 0.3367 by changing the saturation by 10% instead.



■ 76.7479, 0.2985,  
0.3367

■ 76.7479, 0.2985,  
0.3367

483.9041, 0.3050,  
0.3332

■ 57.0460, 0.2970,  
0.3375

128.7836, 0.3008,  
0.3355

■ 41.0422, 0.2952,  
0.3385

161.8861, 0.3016,  
0.3350

■ 28.3520, 0.2929,  
0.3397

200.2243, 0.3024,  
0.3346

■ 18.5912, 0.2899,  
0.3413

244.1825, 0.3031,  
0.3342

■ 11.3753, 0.2859,  
0.3435

294.1453, 0.3036,  
0.3339

■ 6.3198, 0.2801,  
0.3467

350.4968, 0.3041,

■ 3.0405, 0.2711,

0.3336

0.3516

413.6216, 0.3046,  
0.3334

■ 1.1529, 0.2554,  
0.3602

■ 0.0227, 0.0000,  
0.8610

■ 76.7479, 0.2985,  
0.3367

■ 76.7479, 0.2985,  
0.3367

■ 73.3641, 0.2873,  
0.3438

■ 80.6426, 0.3103,  
0.3302

■ 70.4597, 0.2769,  
0.3516


■ 85.0589, 0.3224,  
0.3244


■ 68.0145, 0.2677,  
0.3599


■ 86.0458, 0.3209,  
0.3187

■ 66.0029, 0.2599,  
0.3687

■ 86.4066, 0.3172,  
0.3131


 64.3970, 0.2538,  
0.3779

 86.7617, 0.3137,  
0.3078

 63.1655, 0.2496,  
0.3873

 62.2724, 0.2475,  
0.3968

 61.6743, 0.2473,  
0.4062

 61.3536, 0.2482,  
0.4136

# Harmonies

## Analogous

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



76.7479, 0.3101, 0.3461



76.7479, 0.2985, 0.3367



76.7479, 0.2908, 0.3253

# Triad

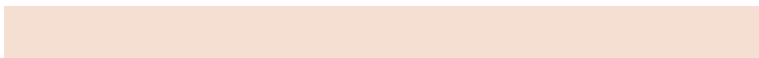
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7479, 0.2985, 0.3367



76.7479, 0.3027, 0.3083



76.7479, 0.3372, 0.3422

# Complementary

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



76.7479, 0.2985, 0.3367



65.7474, 0.3292, 0.3214

# 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.



76.7479, 0.3351, 0.3321



76.7479, 0.2985, 0.3367



76.7479, 0.3150, 0.3128

# Square

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



76.7479, 0.2985, 0.3367



76.7479, 0.2932, 0.3091



76.7479, 0.3270, 0.3214



76.7479, 0.3325, 0.3491



# Rectangle

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



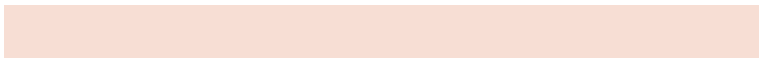
76.7479, 0.2985, 0.3367



76.7479, 0.2888, 0.3182



76.7479, 0.3270, 0.3214



76.7479, 0.3372, 0.3391

# Sweetspot

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



76.7511, 0.2985, 0.3367



97.9524, 0.3079, 0.3315



76.7576, 0.3163, 0.3600



20.8859, 0.3070, 0.3319



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

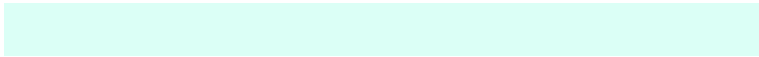


# Same Dimension

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



76.7511, 0.2985, 0.3367



93.2818, 0.2961, 0.3381



73.5147, 0.2942, 0.3218



17.0534, 0.3015, 0.3350



34.8319, 0.2478, 0.4122



2.7504, 0.2442, 0.3992



# Inverse Universe

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



65.7474, 0.3292, 0.3214



77.6966, 0.3324, 0.3201



68.5910, 0.3335, 0.3361



15.1162, 0.3253, 0.3231



10.0234, 0.5922, 0.3036

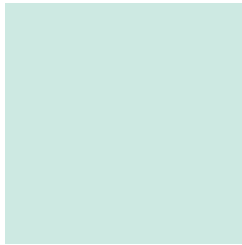


0.8022, 0.5531, 0.2821



# Previews

## White Background



This preview shows how the Yxy color 76.7479, 0.2985, 0.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

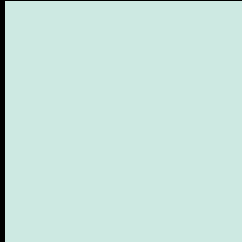
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.7479, 0.2985, 0.3367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

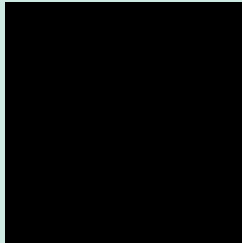
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

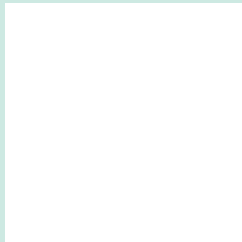
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.7479, 0.2985, 0.3367**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.7479, 0.2985, 0.3367.

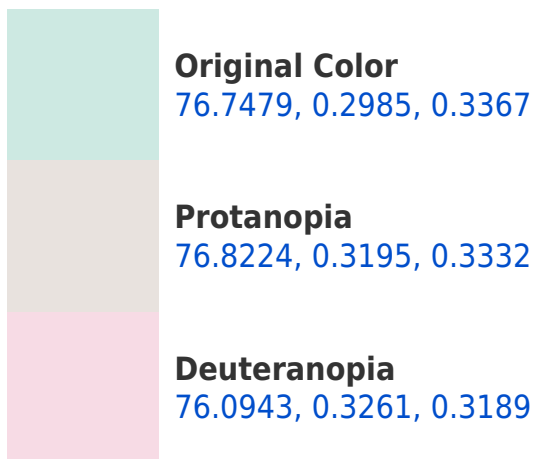


This preview shows how white text looks on a background with the Yxy color 76.7479, 0.2985, 0.3367.

# 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

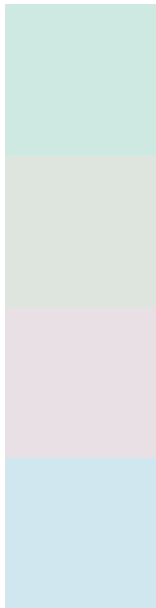




## Tritanopia

76.9262, 0.2880, 0.3098

# Trichromacy



**Original Color**

76.7479, 0.2985, 0.3367

**Protanomaly**

76.8959, 0.3117, 0.3354

**Deuteranomaly**

76.0686, 0.3157, 0.3248

**Tritanomaly**

76.8530, 0.2921, 0.3192

# Monochromacy



**Original Color**

76.7479, 0.2985, 0.3367

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.1261, 0.3071, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.7479, 0.2985, 0.3367 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(205, 233, 226)` looks like.

```
.text, #text, p{  
    color:rgb(205, 233, 226)  
}
```

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(205, 233, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 233, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 76.7479, 0.2985, 0.3367 is called "border". The border property can be set on classes, ids or directly on the HTML element.

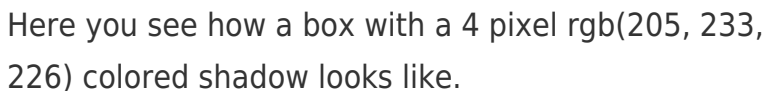
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 233, 226) }
```

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

```
.border{ border-color:rgb(205, 233, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 233, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 233, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 233, 226);  
box-shadow:4px 4px 4px 4px rgb(205, 233,  
226) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 76.7479, 0.2985, 0.3367$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 233, 226) }
```

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

```
.background{ background-color: rgb(205,  
233, 226) }
```

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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