

# Converting Colors

$Yxy(76.3269, 0.3006, 0.3377)$

Have a look what the booklet for  
Yxy(76.3269, 0.3006, 0.3377)  
contains.

<b>Yxy(76.3604, 0.3010, 0.3378)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(76.3604, 0.3010, 0.3378)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFE8E0
RGB	207, 232, 224
RGB Percent	81%, 91%, 88%
CMY	0.1882, 0.0902, 0.1217
CMYK	0.11, 0.00, 0.03, 0.09
HSL	161°, 35%, 86%
HSV	161°, 11%, 91%
XYZ	68.0417, 76.3604, 81.6500
YIQ	223.6130, -12.3320, -7.7880

# Conversions

## Conversions Part 2

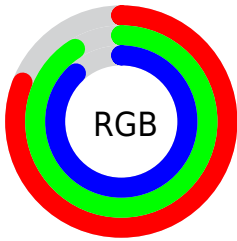
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 222, 232
Decimal	13625568
CIE <sub>Lab</sub>	90.03, -9.73, 1.10
CIE <sub>LCh</sub>	90, 9.790, 173.542
Yxy	76.3604, 0.3010, 0.3378
Android (android.graphics.Color)	4291815648 (0xFFCFE8E0)
YUV	223.6130, 0.1908, -14.5696
Hunter-Lab	87.3844, -13.9342, 5.7699

# Details

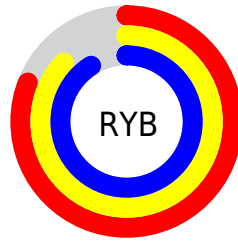
The Yxy color **76.3604, 0.3010, 0.3378** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.6969, 0.3260, 0.3204**, and the grayscale version is **74.2577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.6875, 0.2985, 0.3390** is the 20% darker color. If you saturate the color by 10%, you get **72.8676, 0.2906, 0.3469**, and if you desaturate by 10%, it is **80.3684, 0.3119, 0.3296**.

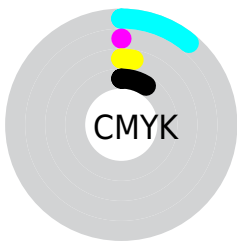
# Distribution



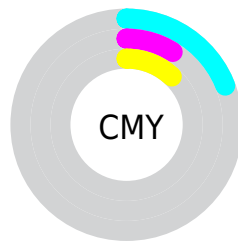
- Red (81%)
- Green (91%)
- Blue (88%)



- Red (81%)
- Yellow (87%)
- Blue (91%)



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)




- Cyan (19%)
- Magenta (9%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3604, 0.3010, 0.3378 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 76.3604, 0.3010, 0.3378 by changing the saturation by 10% instead.



 76.3604, 0.3010,  
0.3378

 76.3604, 0.3010,  
0.3378


482.5805, 0.3064,  
0.3338

 56.7281, 0.2998,  
0.3387


128.2362, 0.3029,  
0.3364

 40.7870, 0.2983,  
0.3399


161.2485, 0.3036,  
0.3359

 28.1527, 0.2964,  
0.3413

199.4896, 0.3042,  
0.3354

 18.4408, 0.2939,  
0.3432

243.3439, 0.3048,  
0.3350

 11.2669, 0.2905,  
0.3458

293.1957, 0.3052,  
0.3346

 6.2467, 0.2857,  
0.3495

349.4295, 0.3057,

 2.9956, 0.2781,

0.3343

412.4296, 0.3060,  
0.3340

0.3553

1.1295, 0.2647,  
0.3657

0.0029, 0.0000,  
1.0000

76.3604, 0.3010,  
0.3378

76.3604, 0.3010,  
0.3378

72.8676, 0.2906,  
0.3469

80.3684, 0.3119,  
0.3296

69.8589, 0.2809,  
0.3568

84.9021, 0.3229,  
0.3223

67.3142, 0.2722,  
0.3675

85.6518, 0.3192,  
0.3150

65.2086, 0.2649,  
0.3789

86.1201, 0.3145,  
0.3079

■ 63.5145, 0.2591,  
0.3909

■ 86.1964, 0.3138,  
0.3068

■ 62.2014, 0.2553,  
0.4032

■ 61.2341, 0.2535,  
0.4156

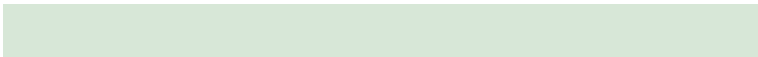
■ 60.5709, 0.2537,  
0.4280

■ 60.1644, 0.2553,  
0.4392

# Harmonies

## Analogous

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



76.3604, 0.3121, 0.3460



76.3604, 0.3010, 0.3378



76.3604, 0.2931, 0.3272

# Triad

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



76.3604, 0.3010, 0.3378



76.3604, 0.3017, 0.3094



76.3604, 0.3356, 0.3400

# Complementary

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



76.3604, 0.3010, 0.3378



66.6969, 0.3260, 0.3204

# 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.



76.3604, 0.3328, 0.3302



76.3604, 0.3010, 0.3378



76.3604, 0.3130, 0.3128

# Square

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



76.3604, 0.3010, 0.3378



76.3604, 0.2934, 0.3110



76.3604, 0.3244, 0.3204



76.3604, 0.3322, 0.3470



# Rectangle

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



76.3604, 0.3010, 0.3378



76.3604, 0.2906, 0.3204



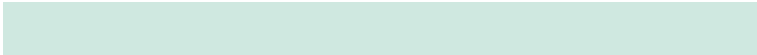
76.3604, 0.3244, 0.3204



76.3604, 0.3354, 0.3369

# Sweetspot

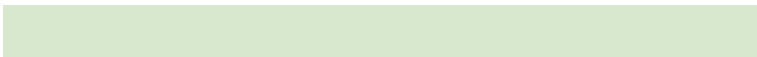
The Sweet Spot groups the original color and five complimentary colors.



76.3636, 0.3010, 0.3378



98.4204, 0.3094, 0.3314



76.7211, 0.3171, 0.3565



20.9778, 0.3085, 0.3320



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.



76.3636, 0.3010, 0.3378



93.5782, 0.2986, 0.3398



74.4924, 0.2961, 0.3244



16.2534, 0.3024, 0.3367



33.4230, 0.2548, 0.4372



2.4866, 0.2498, 0.4194



# Inverse Universe

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



66.6969, 0.3260, 0.3204



79.2781, 0.3292, 0.3185



68.3390, 0.3313, 0.3336



14.4440, 0.3242, 0.3215



9.8237, 0.5678, 0.2902

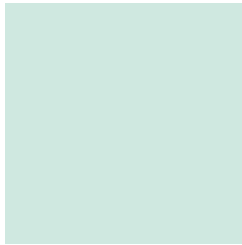


0.7424, 0.5265, 0.2674



# Previews

## White Background



This preview shows how the Yxy color 76.3604, 0.3010, 0.3378 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

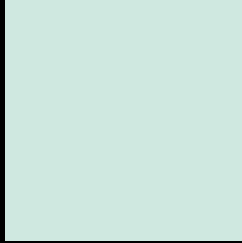
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3604, 0.3010, 0.3378 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

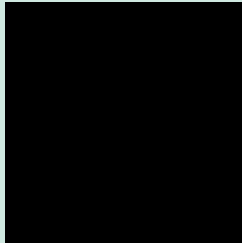
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

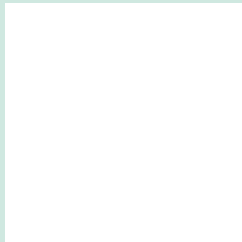
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.3604, 0.3010, 0.3378**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.3604, 0.3010, 0.3378.

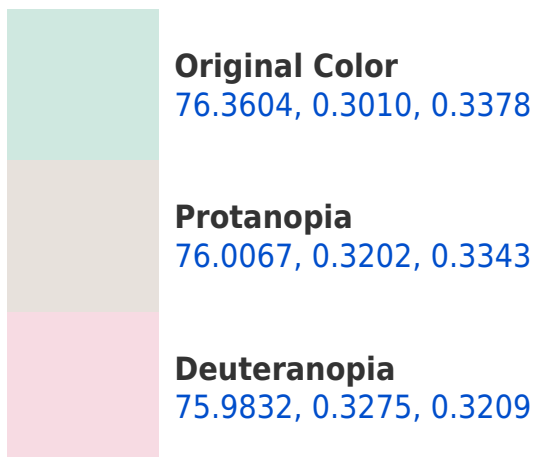


This preview shows how white text looks on a background with the Yxy color 76.3604, 0.3010, 0.3378.

# 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

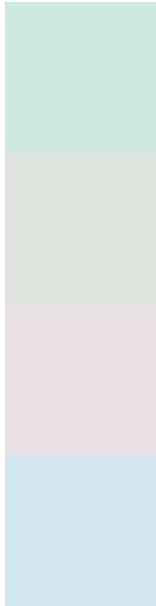




## Tritanopia

76.6029, 0.2898, 0.3098

# Trichromacy



**Original Color**

76.3604, 0.3010, 0.3378

**Protanomaly**

76.2369, 0.3131, 0.3365

**Deuteranomaly**

75.9581, 0.3170, 0.3269

**Tritanomaly**

76.5273, 0.2939, 0.3193

# Monochromacy



**Original Color**

76.3604, 0.3010, 0.3378

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

75.2254, 0.3084, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3604, 0.3010, 0.3378 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, 232, 224)` looks like.

```
.text, #text, p{  
    color:rgb(207, 232, 224)  
}
```

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, 232, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 232, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3604, 0.3010, 0.3378 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, 232, 224) }
```

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

```
.border{ border-color:rgb(207, 232, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 232, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 232, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 232, 224);  
box-shadow:4px 4px 4px 4px rgb(207, 232,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3604, 0.3010, 0.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 232, 224) }
```

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

```
.background{ background-color: rgb(207,  
232, 224) }
```

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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