

# Converting Colors

$Yxy(76.0019, 0.2939, 0.3371)$

Have a look what the booklet for  
Yxy(76.0019, 0.2939, 0.3371)  
contains.

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# Color

**Yxy(75.7746, 0.2940, 0.3367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6E9E2
RGB	198, 233, 226
RGB Percent	78%, 91%, 89%
CMY	0.2234, 0.0863, 0.1136
CMYK	0.15, 0.00, 0.03, 0.09
HSL	168°, 44%, 85%
HSV	168°, 15%, 91%
XYZ	66.1649, 75.7746, 83.1113
YIQ	221.7370, -18.6130, -9.5970

# Conversions

## Conversions Part 2

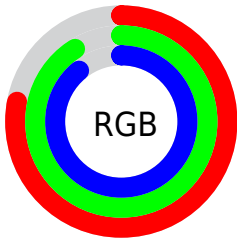
Format	Color
<b>RYB</b>	198, 217, 233
Decimal	13036002
CIELab	89.75, -12.71, -0.45
CIELCh	90, 12.714, 182.006
Yxy	75.7746, 0.2940, 0.3367
Android (android.graphics.Color)	4291226082 (0xFFC6E9E2)
YUV	221.7370, 2.1017, -20.8173
Hunter-Lab	87.0486, -16.6587, 4.3258

# Details

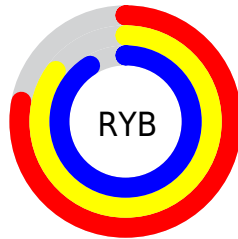
The Yxy color **75.7746, 0.2940, 0.3367** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.1349, 0.3354, 0.3215**, and the grayscale version is **72.8536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.3138, 0.2896, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **72.5992, 0.2824, 0.3425**, and if you desaturate by 10%, it is **79.4503, 0.3064, 0.3314**.

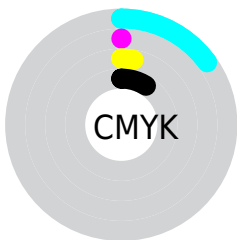
# Distribution



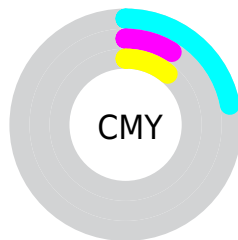
- Red (78%)
- Green (91%)
- Blue (89%)



- Red (78%)
- Yellow (85%)
- Blue (91%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (22%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7746, 0.2940, 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 75.7746, 0.2940, 0.3367 by changing the saturation by 10% instead.



■ 75.7746, 0.2940,  
0.3367

■ 75.7746, 0.2940,  
0.3367

480.5758, 0.3026,  
0.3332

■ 56.2477, 0.2921,  
0.3375

127.4082, 0.2970,  
0.3355

■ 40.4016, 0.2897,  
0.3385

160.2838, 0.2981,  
0.3350

■ 27.8518, 0.2866,  
0.3397

198.3776, 0.2991,  
0.3346

■ 18.2140, 0.2827,  
0.3413

242.0742, 0.3000,  
0.3343

■ 11.1037, 0.2774,  
0.3435

291.7579, 0.3008,  
0.3339

■ 6.1366, 0.2697,  
0.3465


347.8132, 0.3014,

■ 2.9283, 0.2579,

0.3337

0.3513


410.6243, 0.3020,  
0.3334

 1.0944, 0.2357,  
0.3602


 0.0000, 0.0000,  
0.0000


 75.7746, 0.2940,  
0.3367


 75.7746, 0.2940,  
0.3367


 72.5992, 0.2824,  
0.3425

 79.4503, 0.3064,  
0.3314


 69.8924, 0.2717,  
0.3487


 83.6375, 0.3191,  
0.3267

 67.6332, 0.2624,  
0.3553


 85.8229, 0.3233,  
0.3222

 65.7958, 0.2547,  
0.3622


 86.1023, 0.3203,  
0.3177

 64.3512, 0.2487,  
0.3694


 86.3887, 0.3173,  
0.3133


 63.2670, 0.2448,  
0.3767

 86.6823, 0.3144,  
0.3088

 62.5053, 0.2428,  
0.3840

 86.7544, 0.3137,  
0.3078

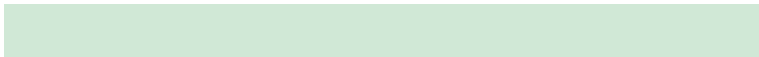
 62.0200, 0.2426,  
0.3913

 61.8446, 0.2430,  
0.3949

# Harmonies

## Analogous

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



75.7746, 0.3076, 0.3488



75.7746, 0.2940, 0.3367



75.7746, 0.2855, 0.3227

# Triad

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



75.7746, 0.2940, 0.3367



75.7746, 0.3022, 0.3042



75.7746, 0.3422, 0.3462

# Complementary

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



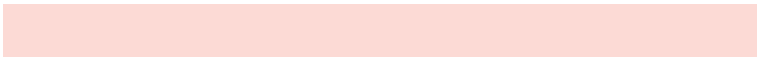
75.7746, 0.2940, 0.3367



62.1349, 0.3354, 0.3215

# 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.



75.7746, 0.3407, 0.3342



75.7746, 0.2940, 0.3367



75.7746, 0.3174, 0.3104

# Square

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



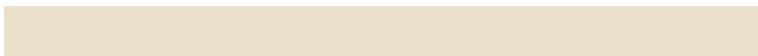
75.7746, 0.2940, 0.3367



75.7746, 0.2901, 0.3043



75.7746, 0.3316, 0.3212



75.7746, 0.3355, 0.3541



# Rectangle

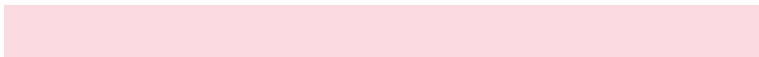
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.7746, 0.2940, 0.3367



75.7746, 0.2837, 0.3144



75.7746, 0.3316, 0.3212



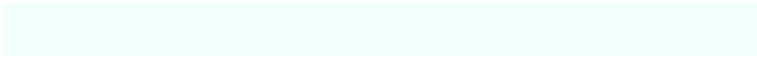
75.7746, 0.3426, 0.3425

# Sweetspot

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



75.7778, 0.2940, 0.3367



97.4990, 0.3063, 0.3315



75.3364, 0.3156, 0.3685



20.7963, 0.3054, 0.3318



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

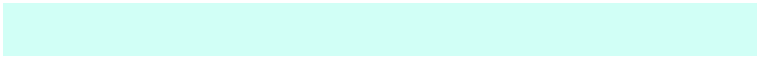


# Same Dimension

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



75.7778, 0.2940, 0.3367



91.7350, 0.2903, 0.3384



70.4055, 0.2895, 0.3172



17.0675, 0.3008, 0.3337



35.1120, 0.2427, 0.3937



2.7702, 0.2399, 0.3837



# Inverse Universe

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



62.1349, 0.3354, 0.3215



71.9847, 0.3410, 0.3198



66.7689, 0.3391, 0.3405



15.1031, 0.3262, 0.3243



9.9576, 0.6074, 0.3120



0.7953, 0.5701, 0.2914



# Previews

## White Background



This preview shows how the Yxy color 75.7746, 0.2940, 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 75.7746, 0.2940, 0.3367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

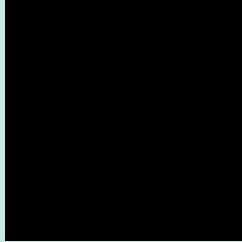
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

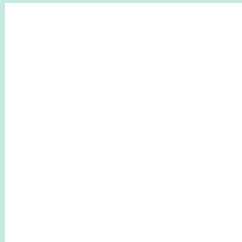
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.7746, 0.2940, 0.3367**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.7746, 0.2940, 0.3367.

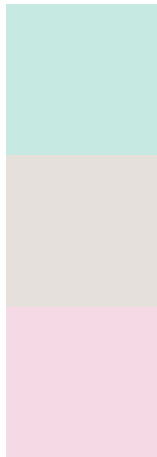


This preview shows how white text looks on a background with the Yxy color 75.7746, 0.2940, 0.3367.

# 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



### Original Color

75.7746, 0.2940, 0.3367

### Protanopia

75.3548, 0.3189, 0.3322

### Deuteranopia

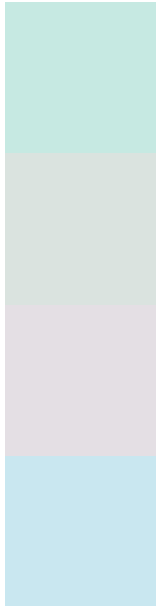
75.2124, 0.3248, 0.3178



## Tritanopia

75.9275, 0.2837, 0.3095

# Trichromacy



**Original Color**

75.7746, 0.2940, 0.3367

**Protanomaly**

75.1713, 0.3091, 0.3333

**Deuteranomaly**

74.8708, 0.3130, 0.3237

**Tritanomaly**

75.8606, 0.2877, 0.3191

# Monochromacy



**Original Color**

75.7746, 0.2940, 0.3367

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

73.8666, 0.3057, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7746, 0.2940, 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(198, 233, 226)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 233, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 233, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7746, 0.2940, 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(198, 233, 226) }
```

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

```
.border{ border-color:rgb(198, 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(198, 233, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 233, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 233, 226); box-shadow:4px 4px 4px 4px rgb(198, 233, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7746, 0.2940, 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(198, 233, 226) }
```

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

```
.background{ background-color: rgb(198,  
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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