

# Converting Colors

$Yxy(76.7301, 0.2909, 0.3284)$

Have a look what the booklet for  
Yxy(76.7301, 0.2909, 0.3284)  
contains.

<b>Yxy(76.4977, 0.2906, 0.3278)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(76.4977, 0.2906, 0.3278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8E9EA
RGB	200, 233, 234
RGB Percent	78%, 91%, 92%
CMY	0.2156, 0.0863, 0.0822
CMYK	0.15, 0.00, 0.00, 0.08
HSL	182°, 45%, 85%
HSV	182°, 15%, 92%
XYZ	67.8164, 76.4977, 89.0528
YIQ	223.2470, -19.9890, -6.6850

# Conversions

## Conversions Part 2

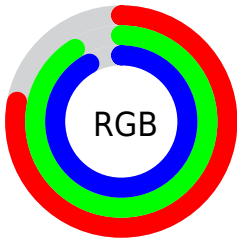
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 217, 234
Decimal	13167082
CIE Lab	90.09, -10.50, -4.12
CIE LCh	90, 11.276, 201.445
Yxy	76.4977, 0.2906, 0.3278
Android (android.graphics.Color)	4291357162 (0xFFC8E9EA)
YUV	223.2470, 5.3012, -20.3876
Hunter-Lab	87.4630, -14.6560, 0.8563

# Details

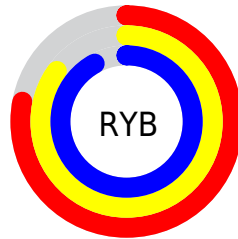
The Yxy color **76.4977, 0.2906, 0.3278** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4657, 0.3396, 0.3302**, and the grayscale version is **73.9541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.7696, 0.2861, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **73.1203, 0.2765, 0.3269**, and if you desaturate by 10%, it is **80.3762, 0.3057, 0.3286**.

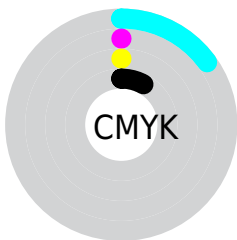
# Distribution



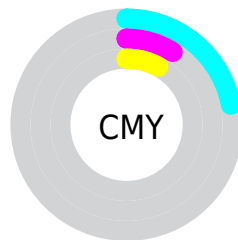
- Red (78%)
- Green (91%)
- Blue (92%)



- Red (78%)
- Yellow (85%)
- Blue (92%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (22%)
- Magenta (9%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4977, 0.2906, 0.3278 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 76.4977, 0.2906, 0.3278 by changing the saturation by 10% instead.



■ 76.4977, 0.2906,  
0.3278

■ 76.4977, 0.2906,  
0.3278

483.0497, 0.3007,  
0.3284

■ 56.8407, 0.2883,  
0.3276

128.4302, 0.2941,  
0.3280

■ 40.8774, 0.2855,  
0.3274

161.4745, 0.2954,  
0.3281

■ 28.2233, 0.2820,  
0.3271

199.7500, 0.2966,  
0.3282

■ 18.4940, 0.2775,  
0.3267

243.6411, 0.2976,  
0.3283

■ 11.3053, 0.2714,  
0.3261

293.5323, 0.2985,  
0.3283

■ 6.2725, 0.2627,  
0.3252

349.8078, 0.2993,

■ 3.0115, 0.2494,

0.3284

0.3236

412.8522, 0.3000,  
0.3284

1.1377, 0.2266,  
0.3201

0.0100, 0.0000,  
0.0322

76.4977, 0.2906,  
0.3278

76.4977, 0.2906,  
0.3278

73.1203, 0.2765,  
0.3269

80.3762, 0.3057,  
0.3286

70.2123, 0.2636,  
0.3260


84.7674, 0.3214,  
0.3294


67.7526, 0.2522,  
0.3250

86.6901, 0.3269,  
0.3301


65.7151, 0.2425,  
0.3239

87.0972, 0.3268,  
0.3308

 64.0709, 0.2347,  
0.3229

 87.5059, 0.3267,  
0.3315

 62.7873, 0.2289,  
0.3219


 87.9162, 0.3267,  
0.3322


 61.8267, 0.2249,  
0.3209

 88.3282, 0.3266,  
0.3329

 61.1426, 0.2228,  
0.3199

 88.7418, 0.3265,  
0.3336

 60.8463, 0.2220,  
0.3194

 89.1570, 0.3265,  
0.3343

# Harmonies

## Analogous

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



76.4977, 0.3000, 0.3399



76.4977, 0.2906, 0.3278



76.4977, 0.2870, 0.3163

# Triad

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



76.4977, 0.2906, 0.3278



76.4977, 0.3120, 0.3100



76.4977, 0.3357, 0.3493

# Complementary

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



76.4977, 0.2906, 0.3278



63.4657, 0.3396, 0.3302

# Split Complementary

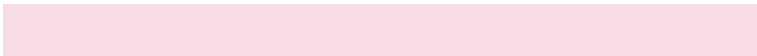
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4977, 0.3391, 0.3409



76.4977, 0.2906, 0.3278



76.4977, 0.3253, 0.3184

# Square

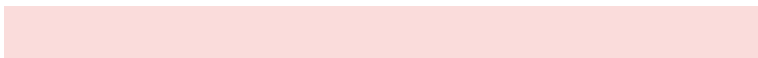
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4977, 0.2906, 0.3278



76.4977, 0.2992, 0.3064



76.4977, 0.3353, 0.3296



76.4977, 0.3261, 0.3525



# Rectangle

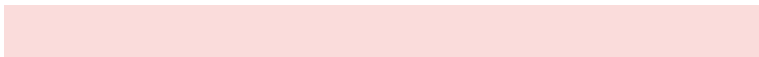
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4977, 0.2906, 0.3278



76.4977, 0.2883, 0.3106



76.4977, 0.3353, 0.3296



76.4977, 0.3376, 0.3470

# Sweetspot

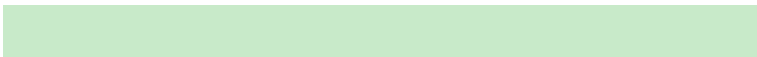
The Sweet Spot groups the original color and five complimentary colors.



76.5009, 0.2906, 0.3278



97.9195, 0.3065, 0.3287



75.3415, 0.3106, 0.3670



20.8775, 0.3053, 0.3286



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.



76.5009, 0.2906, 0.3278



91.8500, 0.2869, 0.3276



67.5711, 0.2900, 0.3093



17.0390, 0.2981, 0.3282



34.2186, 0.2221, 0.3195



2.7117, 0.2225, 0.3209



# Inverse Universe

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



64.6987, 0.3151, 0.2942



75.3079, 0.3156, 0.2879



71.5994, 0.3370, 0.3480



15.3054, 0.3143, 0.3065



12.9472, 0.3286, 0.1584

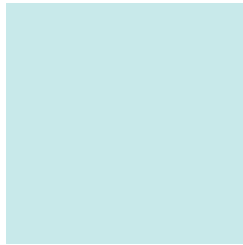


1.0192, 0.3275, 0.1578



# Previews

## White Background



This preview shows how the Yxy color 76.4977, 0.2906, 0.3278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

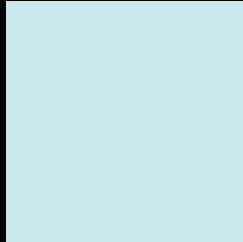
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4977, 0.2906, 0.3278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

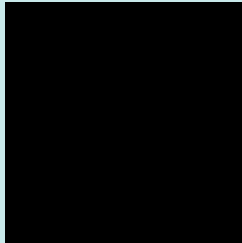
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

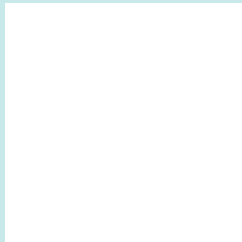
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.4977, 0.2906, 0.3278**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4977, 0.2906, 0.3278.

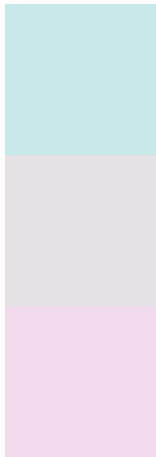


This preview shows how white text looks on a background with the Yxy color 76.4977, 0.2906, 0.3278.

# 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

76.4977, 0.2906, 0.3278

### Protanopia

76.1656, 0.3129, 0.3248

### Deuteranopia

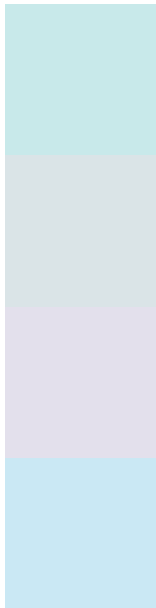
75.8321, 0.3178, 0.3107



## Tritanopia

76.6879, 0.2838, 0.3096

# Trichromacy



**Original Color**

76.4977, 0.2906, 0.3278

**Protanomaly**

76.1618, 0.3040, 0.3258

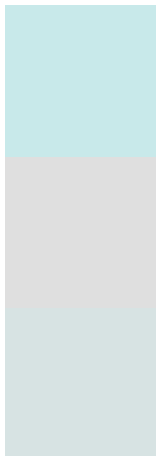
**Deuteranomaly**

75.6983, 0.3071, 0.3164

**Tritanomaly**

76.8014, 0.2861, 0.3159

# Monochromacy



**Original Color**

76.4977, 0.2906, 0.3278

**Achromatopsia**

73.7910, 0.3127, 0.3290

**Achromatomaly**

74.9313, 0.3045, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4977, 0.2906, 0.3278 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(200, 233, 234)` looks like.

```
.text, #text, p{  
    color:rgb(200, 233, 234)  
}
```

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(200, 233, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 233, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4977, 0.2906, 0.3278 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(200, 233, 234) }
```

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

```
.border{ border-color:rgb(200, 233, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 233, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 233, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 233, 234);  
box-shadow:4px 4px 4px 4px rgb(200, 233,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4977, 0.2906, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 233, 234) }
```

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

```
.background{ background-color: rgb(200,  
233, 234) }
```

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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