

# Converting Colors

$Yxy(76.8228, 0.2976, 0.3487)$

Have a look what the booklet for  
Yxy(76.8228, 0.2976, 0.3487)  
contains.

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# Color

**Yxy(76.9232, 0.2981, 0.3492)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5ECDA
RGB	197, 236, 218
RGB Percent	77%, 93%, 85%
CMY	0.2276, 0.0744, 0.1452
CMYK	0.17, 0.00, 0.08, 0.07
HSL	152°, 51%, 85%
HSV	152°, 17%, 93%
XYZ	65.6667, 76.9232, 77.6942
YIQ	222.2870, -17.4660, -13.8660

# Conversions

## Conversions Part 2

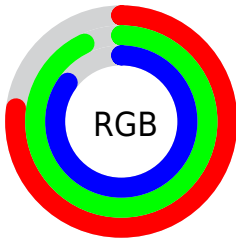
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 222, 236
Decimal	12971226
CIELab	90.29, -16.11, 4.53
CIELCh	90, 16.739, 164.290
Yxy	76.9232, 0.2981, 0.3492
Android (android.graphics.Color)	4291161306 (0xFFC5ECDA)
YUV	222.2870, -2.1135, -22.1767
Hunter-Lab	87.7059, -19.8397, 8.8721

# Details

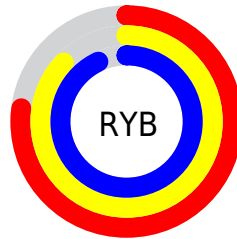
The Yxy color **76.9232, 0.2981, 0.3492** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6614, 0.3302, 0.3097**, and the grayscale version is **73.2815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **41.1265, 0.2949, 0.3540** is the 20% darker color. If you saturate the color by 10%, you get **73.4341, 0.2898, 0.3632**, and if you desaturate by 10%, it is **80.9551, 0.3069, 0.3366**.

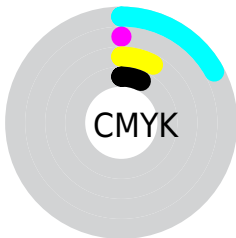
# Distribution



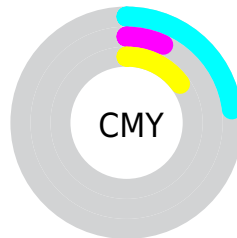
- Red (77%)
- Green (93%)
- Blue (85%)



- Red (77%)
- Yellow (87%)
- Blue (93%)



- Cyan (17%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (23%)
- Magenta (7%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9232, 0.2981, 0.3492 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 76.9232, 0.2981, 0.3492 by changing the saturation by 10% instead.



76.9232, 0.2981,  
0.3492

76.9232, 0.2981,  
0.3492

484.5021, 0.3049,  
0.3398

57.1898, 0.2966,  
0.3514

129.0311, 0.3005,  
0.3459

41.1577, 0.2946,  
0.3540

162.1744, 0.3014,  
0.3447

28.4423, 0.2922,  
0.3575

200.5564, 0.3022,  
0.3436

18.6593, 0.2890,  
0.3619

244.5617, 0.3028,  
0.3426

11.4244, 0.2847,  
0.3681

294.5745, 0.3034,  
0.3418

6.3530, 0.2784,  
0.3771


350.9792, 0.3040,


3.0609, 0.2685,


0.3411


0.3914


414.1603, 0.3044,  
0.3404


 1.1636, 0.2482,  
0.4192


 0.0317, 0.0000,  
1.0000


 76.9232, 0.2981,  
0.3492


 76.9232, 0.2981,  
0.3492


 73.4341, 0.2898,  
0.3632


 80.9551, 0.3069,  
0.3366


 70.4543, 0.2822,  
0.3785

 85.5424, 0.3158,  
0.3252

 67.9612, 0.2756,  
0.3951

 88.2056, 0.3162,  
0.3148

 65.9268, 0.2704,  
0.4125

 88.4798, 0.3136,  
0.3107

■ 64.3202, 0.2669,  
0.4306

■ 63.1064, 0.2654,  
0.4490

■ 62.2445, 0.2659,  
0.4670

■ 61.6832, 0.2684,  
0.4844

■ 61.5305, 0.2695,  
0.4903

# Harmonies

## Analogous

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



76.9232, 0.3177, 0.3612



76.9232, 0.2981, 0.3492



76.9232, 0.2827, 0.3314

# Triad

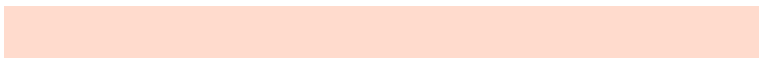
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9232, 0.2981, 0.3492



76.9232, 0.2888, 0.2958



76.9232, 0.3517, 0.3424

# Complementary

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



76.9232, 0.2981, 0.3492



62.6614, 0.3302, 0.3097

# 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.



76.9232, 0.3435, 0.3255



76.9232, 0.2981, 0.3492



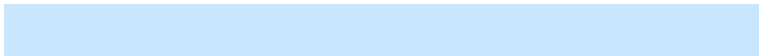
76.9232, 0.3068, 0.2992

# Square

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



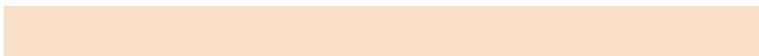
76.9232, 0.2981, 0.3492



76.9232, 0.2775, 0.3008



76.9232, 0.3268, 0.3100



76.9232, 0.3490, 0.3565



# Rectangle

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



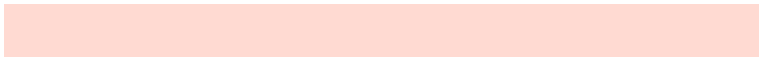
76.9232, 0.2981, 0.3492



76.9232, 0.2767, 0.3192



76.9232, 0.3268, 0.3100



76.9232, 0.3501, 0.3369

# Sweetspot

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



76.9264, 0.2981, 0.3492



97.2878, 0.3082, 0.3347



78.5057, 0.3230, 0.3720



20.7449, 0.3076, 0.3356



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

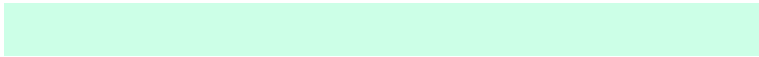


# Same Dimension

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



76.9264, 0.2981, 0.3492



90.1512, 0.2951, 0.3540



77.1763, 0.2877, 0.3275



16.9976, 0.3043, 0.3401



33.9381, 0.2688, 0.4875



2.6844, 0.2621, 0.4636



# Inverse Universe

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



62.6614, 0.3302, 0.3097



70.0234, 0.3347, 0.3053



62.3776, 0.3440, 0.3305



15.1699, 0.3220, 0.3182



10.4648, 0.5116, 0.2592

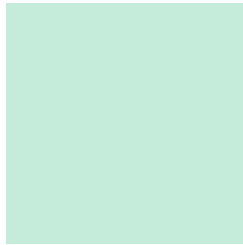


0.8410, 0.4784, 0.2409



# Previews

## White Background



This preview shows how the Yxy color 76.9232, 0.2981, 0.3492 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

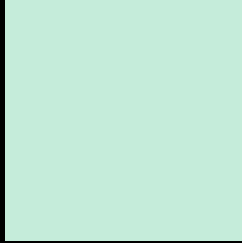
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.9232, 0.2981, 0.3492 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

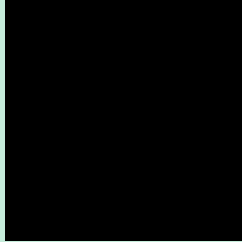
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

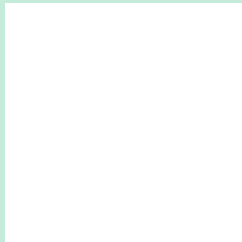
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.9232, 0.2981, 0.3492**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9232, 0.2981, 0.3492.

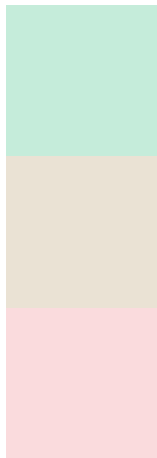


This preview shows how white text looks on a background with the Yxy color 76.9232, 0.2981, 0.3492.

# 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

76.9232, 0.2981, 0.3492

### Protanopia

76.6386, 0.3276, 0.3439

### Deuteranopia

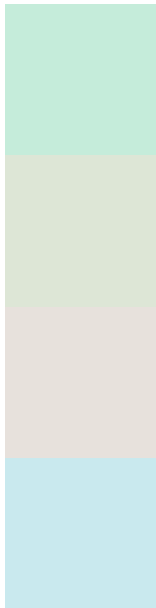
76.2075, 0.3339, 0.3270



## Tritanopia

76.7505, 0.2833, 0.3085

# Trichromacy



**Original Color**

76.9232, 0.2981, 0.3492

**Protanomaly**

76.8208, 0.3167, 0.3463

**Deuteranomaly**

76.0067, 0.3202, 0.3343

**Tritanomaly**

76.8684, 0.2889, 0.3235

# Monochromacy



**Original Color**

76.9232, 0.2981, 0.3492

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

74.3048, 0.3069, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9232, 0.2981, 0.3492 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(197, 236, 218)` looks like.

```
.text, #text, p{  
    color:rgb(197, 236, 218)  
}
```

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(197, 236, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 236, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9232, 0.2981, 0.3492 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(197, 236, 218) }
```

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

```
.border{ border-color:rgb(197, 236, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 236, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 236, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 236, 218);  
box-shadow:4px 4px 4px 4px rgb(197, 236,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9232, 0.2981, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 236, 218) }
```

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

```
.background{ background-color: rgb(197,  
236, 218) }
```

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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