

# Converting Colors

$Yxy(76.3034, 0.2946, 0.3373)$

Have a look what the booklet for  
Yxy(76.3034, 0.2946, 0.3373)  
contains.

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# Color

**Yxy(76.4787, 0.2947, 0.3378)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7EAE2
RGB	199, 234, 226
RGB Percent	78%, 92%, 89%
CMY	0.2193, 0.0824, 0.1137
CMYK	0.15, 0.00, 0.03, 0.08
HSL	166°, 45%, 85%
HSV	166°, 15%, 92%
XYZ	66.7208, 76.4787, 83.2028
YIQ	222.6230, -18.2920, -9.9080

# Conversions

## Conversions Part 2

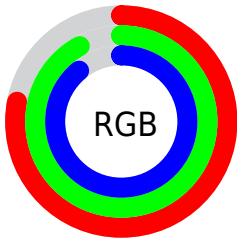
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 219, 234
Decimal	13101794
CIE Lab	90.08, -12.88, 0.05
CIE LCh	90, 12.877, 179.774
Yxy	76.4787, 0.2947, 0.3378
Android (android.graphics.Color)	4291291874 (0xFFC7EAE2)
YUV	222.6230, 1.6649, -20.7174
Hunter-Lab	87.4521, -16.8563, 4.8073

# Details

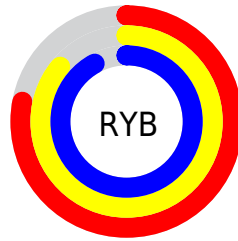
The Yxy color **76.4787, 0.2947, 0.3378** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.8837, 0.3344, 0.3204**, and the grayscale version is **73.5203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.8008, 0.2905, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **73.2328, 0.2834, 0.3444**, and if you desaturate by 10%, it is **80.2323, 0.3067, 0.3318**.

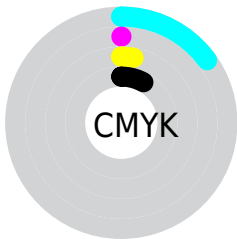
# Distribution



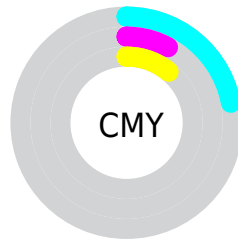
- Red (78%)
- Green (92%)
- Blue (89%)



- Red (78%)
- Yellow (86%)
- Blue (92%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (22%)
- Magenta (8%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4787, 0.2947, 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 76.4787, 0.2947, 0.3378 by changing the saturation by 10% instead.



■ 76.4787, 0.2947,  
0.3378

■ 76.4787, 0.2947,  
0.3378

482.9848, 0.3030,  
0.3338

■ 56.8251, 0.2928,  
0.3387

128.4033, 0.2976,  
0.3364

■ 40.8649, 0.2905,  
0.3398

161.4432, 0.2987,  
0.3359

■ 28.2135, 0.2876,  
0.3412

199.7140, 0.2996,  
0.3354

■ 18.4867, 0.2838,  
0.3431

243.6000, 0.3005,  
0.3350

■ 11.2999, 0.2787,  
0.3456

293.4857, 0.3012,  
0.3346

■ 6.2690, 0.2714,  
0.3492

349.7555, 0.3019,

■ 3.0093, 0.2601,

0.3343

0.3547

412.7937, 0.3024,  
0.3340

■ 1.1366, 0.2395,  
0.3647

■ 0.0090, 0.0000,  
0.5907

■ 76.4787, 0.2947,  
0.3378

■ 76.4787, 0.2947,  
0.3378

■ 73.2328, 0.2834,  
0.3444

■ 80.2323, 0.3067,  
0.3318

■ 70.4625, 0.2731,  
0.3516


■ 84.5051, 0.3190,  
0.3263


■ 68.1468, 0.2640,  
0.3592

■ 86.5103, 0.3218,  
0.3212


■ 66.2594, 0.2565,  
0.3673


■ 86.8364, 0.3184,  
0.3160


 64.7711, 0.2508,  
0.3756


 87.1720, 0.3151,  
0.3109

 63.6491, 0.2470,  
0.3841

 87.3166, 0.3137,  
0.3087

 62.8553, 0.2453,  
0.3926

 62.3429, 0.2454,  
0.4011

 62.1532, 0.2459,  
0.4054

# Harmonies

## Analogous

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



76.4787, 0.3087, 0.3497



76.4787, 0.2947, 0.3378



76.4787, 0.2856, 0.3237

# Triad

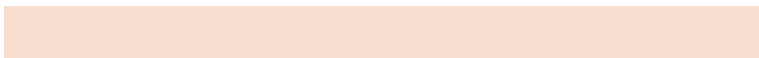
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4787, 0.2947, 0.3378



76.4787, 0.3010, 0.3038



76.4787, 0.3427, 0.3456

# Complementary

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



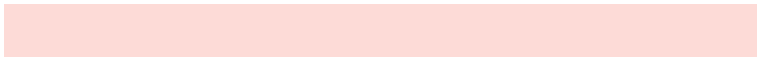
76.4787, 0.2947, 0.3378



62.8837, 0.3344, 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.



76.4787, 0.3406, 0.3333



76.4787, 0.2947, 0.3378



76.4787, 0.3162, 0.3096

# Square

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



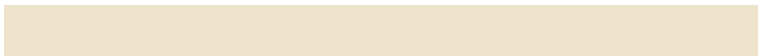
76.4787, 0.2947, 0.3378



76.4787, 0.2892, 0.3044



76.4787, 0.3308, 0.3202



76.4787, 0.3365, 0.3539

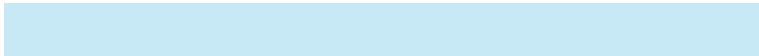


# Rectangle

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



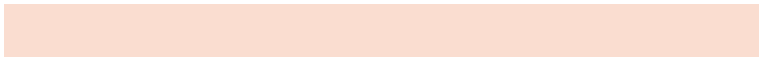
76.4787, 0.2947, 0.3378



76.4787, 0.2834, 0.3151



76.4787, 0.3308, 0.3202



76.4787, 0.3429, 0.3418

# Sweetspot

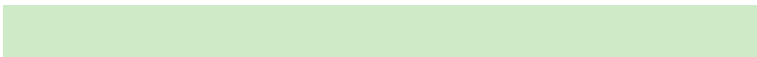
The Sweet Spot groups the original color and five complimentary colors.



76.4819, 0.2947, 0.3378



97.9673, 0.3078, 0.3312



76.2624, 0.3164, 0.3682



20.8897, 0.3068, 0.3317



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

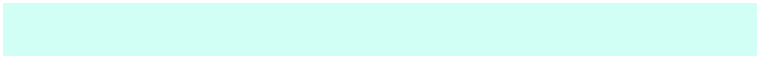


# Same Dimension

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



76.4819, 0.2947, 0.3378



91.6527, 0.2910, 0.3398



71.7697, 0.2897, 0.3186



17.0596, 0.3012, 0.3344



34.9522, 0.2456, 0.4040



2.7589, 0.2423, 0.3923



# Inverse Universe

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



62.8837, 0.3344, 0.3204



72.0555, 0.3400, 0.3185



66.9201, 0.3391, 0.3392



15.1104, 0.3257, 0.3236



9.9925, 0.5992, 0.3075

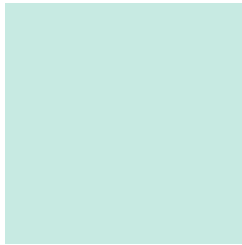


0.7990, 0.5607, 0.2863



# Previews

## White Background



This preview shows how the Yxy color 76.4787, 0.2947, 0.3378 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

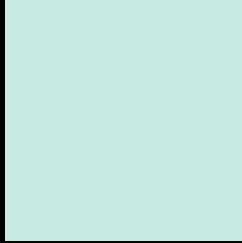
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4787, 0.2947, 0.3378 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

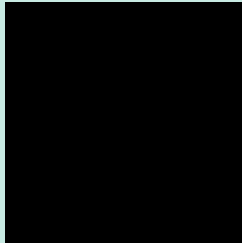
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

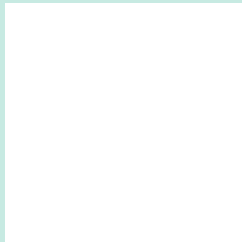
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.4787, 0.2947, 0.3378**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4787, 0.2947, 0.3378.

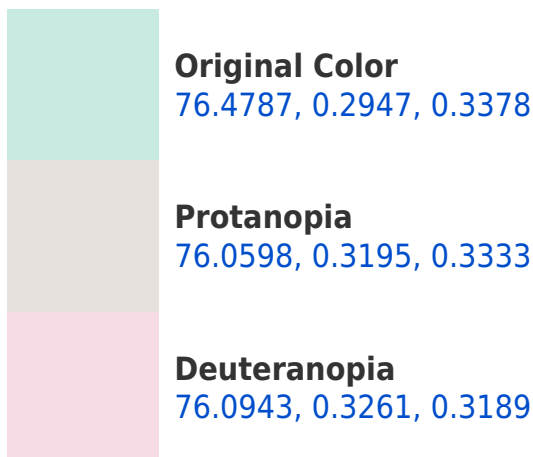


This preview shows how white text looks on a background with the Yxy color 76.4787, 0.2947, 0.3378.

# 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

76.6879, 0.2838, 0.3096

# Trichromacy



## Original Color

76.4787, 0.2947, 0.3378

## Protanomaly

75.8746, 0.3097, 0.3344

## Deuteranomaly

75.7357, 0.3143, 0.3248

## Tritanomaly

76.6207, 0.2878, 0.3191

# Monochromacy



## Original Color

76.4787, 0.2947, 0.3378

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.6161, 0.3057, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4787, 0.2947, 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(199, 234, 226)` looks like.

```
.text, #text, p{  
    color:rgb(199, 234, 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(199, 234, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 234, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4787, 0.2947, 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(199, 234, 226) }
```

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

```
.border{ border-color:rgb(199, 234, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 234, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 234, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 234, 226);  
box-shadow:4px 4px 4px 4px rgb(199, 234,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4787, 0.2947, 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(199, 234, 226) }
```

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

```
.background{ background-color: rgb(199,  
234, 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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