

# Converting Colors

$Yxy(74.6197, 0.3020, 0.3308)$

Have a look what the booklet for  
Yxy(74.6197, 0.3020, 0.3308)  
contains.

<b>Yxy(74.6794, 0.3018, 0.3312)</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(74.6794, 0.3018, 0.3312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2E4E2
RGB	210, 228, 226
RGB Percent	82%, 89%, 89%
CMY	0.1764, 0.1059, 0.1139
CMYK	0.08, 0.00, 0.01, 0.11
HSL	173°, 25%, 86%
HSV	173°, 8%, 89%
XYZ	68.0503, 74.6794, 82.7516
YIQ	222.3900, -10.0860, -4.4380

# Conversions

## Conversions Part 2

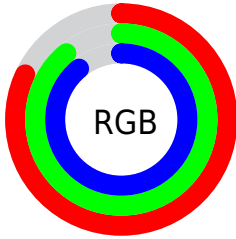
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 220, 228
Decimal	13821154
CIE <sub>Lab</sub>	89.24, -6.33, -1.06
CIE <sub>LCh</sub>	89, 6.419, 189.539
Y <sub>xy</sub>	74.6794, 0.3018, 0.3312
Android (android.graphics.Color)	4292011234 (0xFFD2E4E2)
YUV	222.3900, 1.7797, -10.8660
Hunter-Lab	86.4172, -10.6683, 3.7170

# Details

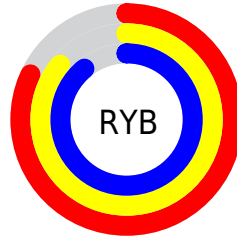
The Yxy color **74.6794, 0.3018, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.3576, 0.3248, 0.3268**, and the grayscale version is **73.3326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.7960, 0.2986, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **71.4295, 0.2885, 0.3342**, and if you desaturate by 10%, it is **78.4146, 0.3157, 0.3284**.

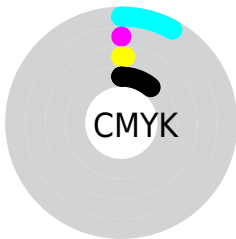
# Distribution



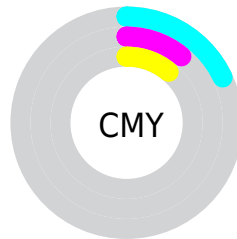
- Red (82%)
- Green (89%)
- Blue (89%)



- Red (82%)
- Yellow (86%)
- Blue (89%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (18%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6794, 0.3018, 0.3312 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 74.6794, 0.3018, 0.3312 by changing the saturation by 10% instead.



■ 74.6794, 0.3018,  
0.3312

■ 74.6794, 0.3018,  
0.3312

476.8149, 0.3068,  
0.3302

■ 55.3503, 0.3007,  
0.3314

125.8584, 0.3035,  
0.3309

■ 39.6822, 0.2992,  
0.3317

158.4771, 0.3042,  
0.3307

■ 27.2909, 0.2975,  
0.3320

196.2945, 0.3048,  
0.3306

■ 17.7918, 0.2951,  
0.3325

239.6949, 0.3053,  
0.3305

■ 10.8006, 0.2920,  
0.3331

289.0628, 0.3058,  
0.3304

■ 5.9329, 0.2875,  
0.3339

344.7824, 0.3062,

■ 2.8043, 0.2804,

0.3303

407.2384, 0.3065,  
0.3303

0.3352

1.0305, 0.2678,  
0.3373

0.0000, 0.0000,  
0.0000

74.6794, 0.3018,  
0.3312

74.6794, 0.3018,  
0.3312

71.4295, 0.2885,  
0.3342

78.4146, 0.3157,  
0.3284

68.6352, 0.2762,  
0.3375


82.5252, 0.3295,  
0.3259


66.2784, 0.2651,  
0.3410


82.6726, 0.3278,  
0.3234


64.3357, 0.2555,  
0.3447

82.8222, 0.3261,  
0.3208


 62.7818, 0.2475,  
0.3486


 82.9739, 0.3244,  
0.3183


 61.5886, 0.2415,  
0.3525


 83.1278, 0.3227,  
0.3158

 60.7240, 0.2375,  
0.3565

 83.2839, 0.3210,  
0.3133

 60.1505, 0.2353,  
0.3604

 83.4422, 0.3193,  
0.3108

 59.8159, 0.2348,  
0.3643

 83.6027, 0.3176,  
0.3083

# Harmonies

## Analogous

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



74.6794, 0.3083, 0.3376



74.6794, 0.3018, 0.3312



74.6794, 0.2982, 0.3243

# Triad

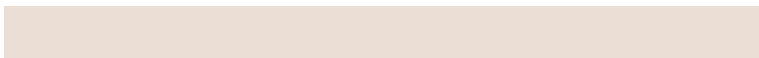
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.6794, 0.3018, 0.3312



74.6794, 0.3093, 0.3168



74.6794, 0.3271, 0.3391

# Complementary

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



74.6794, 0.3018, 0.3312



67.3576, 0.3248, 0.3268

# 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.



74.6794, 0.3274, 0.3335



74.6794, 0.3018, 0.3312



74.6794, 0.3171, 0.3207

# Square

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



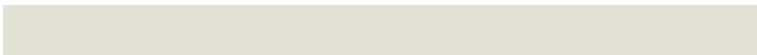
74.6794, 0.3018, 0.3312



74.6794, 0.3025, 0.3161



74.6794, 0.3237, 0.3267



74.6794, 0.3229, 0.3422



# Rectangle

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



74.6794, 0.3018, 0.3312



74.6794, 0.2980, 0.3203



74.6794, 0.3237, 0.3267



74.6794, 0.3277, 0.3375

# Sweetspot

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



74.6826, 0.3018, 0.3312



99.0083, 0.3099, 0.3295



74.1580, 0.3132, 0.3489



21.2022, 0.3100, 0.3295



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.



74.6826, 0.3018, 0.3312



95.7376, 0.3002, 0.3315



71.0790, 0.3006, 0.3214



16.3068, 0.2997, 0.3317



34.5174, 0.2346, 0.3646



2.5588, 0.2330, 0.3588



# Inverse Universe

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



67.3576, 0.3248, 0.3268



84.9795, 0.3268, 0.3265



70.7320, 0.3255, 0.3365



14.3944, 0.3275, 0.3264



9.5756, 0.6259, 0.3222

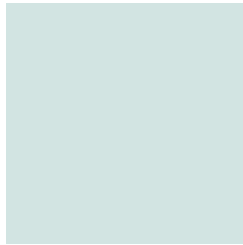


0.7165, 0.5959, 0.3056



# Previews

## White Background



This preview shows how the Yxy color 74.6794, 0.3018, 0.3312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

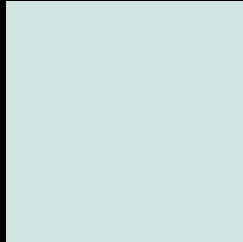
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6794, 0.3018, 0.3312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

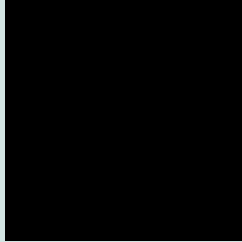
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

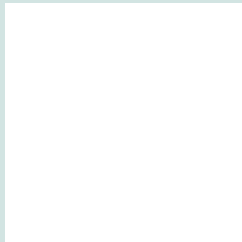
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.6794, 0.3018, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6794, 0.3018, 0.3312.

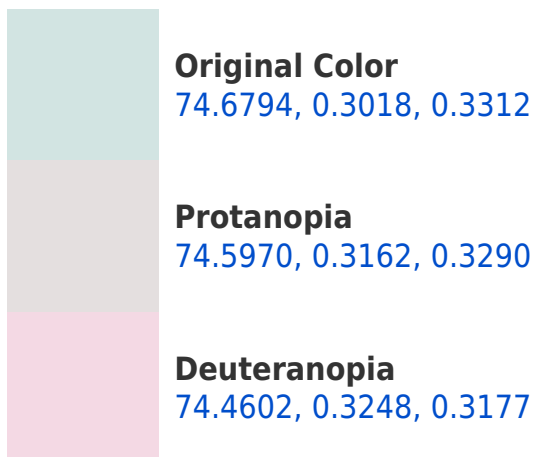


This preview shows how white text looks on a background with the Yxy color 74.6794, 0.3018, 0.3312.

# 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

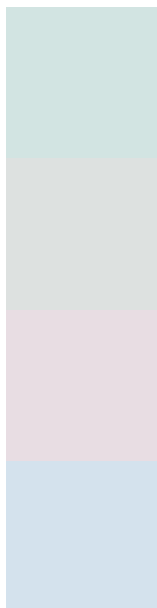




## Tritanopia

74.4676, 0.2934, 0.3097

# Trichromacy



## Original Color

74.6794, 0.3018, 0.3312

## Protanomaly

74.6044, 0.3106, 0.3301

## Deuteranomaly

74.4148, 0.3166, 0.3227

## Tritanomaly

74.5042, 0.2964, 0.3171

# Monochromacy



## Original Color

74.6794, 0.3018, 0.3312

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

73.5444, 0.3092, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6794, 0.3018, 0.3312 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(210, 228, 226)` looks like.

```
.text, #text, p{  
    color:rgb(210, 228, 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(210, 228, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 228, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6794, 0.3018, 0.3312 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(210, 228, 226) }
```

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

```
.border{ border-color:rgb(210, 228, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 228, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 228, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 228, 226);  
box-shadow:4px 4px 4px 4px rgb(210, 228,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6794, 0.3018, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 228, 226) }
```

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

```
.background{ background-color: rgb(210,  
228, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor