

# Converting Colors

$Yxy(74.8452, 0.2896, 0.3368)$

Have a look what the booklet for  
Yxy(74.8452, 0.2896, 0.3368)  
contains.

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# Color

**Yxy(74.8452, 0.2896, 0.3368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BFE9E2</a>
RGB	<a href="#">191, 233, 226</a>
RGB Percent	<a href="#">75%, 91%, 89%</a>
CMY	<a href="#">0.2509, 0.0863, 0.1136</a>
CMYK	<a href="#">0.18, 0.00, 0.03, 0.09</a>
HSL	<a href="#">170°, 49%, 83%</a>
HSV	<a href="#">170°, 18%, 91%</a>
XYZ	<a href="#">64.3562, 74.8452, 83.0231</a>
YIQ	<a href="#">219.6440, -22.7850, -11.0810</a>

# Conversions

## Conversions Part 2

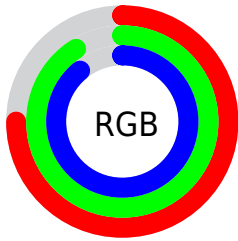
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 214, 233
Decimal	12577250
CIE <sub>Lab</sub>	89.32, -14.91, -1.13
CIE <sub>LCh</sub>	89, 14.953, 184.330
Yxy	74.8452, 0.2896, 0.3368
Android (android.graphics.Color)	4290767330 (0xFFBFE9E2)
YUV	219.6440, 3.1335, -25.1208
Hunter-Lab	86.5131, -18.6137, 3.6610

# Details

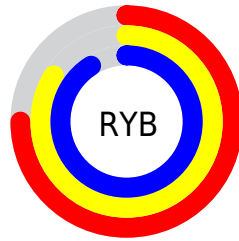
The Yxy color **74.8452, 0.2896, 0.3368** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.6661, 0.3420, 0.3214**, and the grayscale version is **71.3026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **39.7029, 0.2841, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **71.8535, 0.2779, 0.3417**, and if you desaturate by 10%, it is **78.3284, 0.3022, 0.3323**.

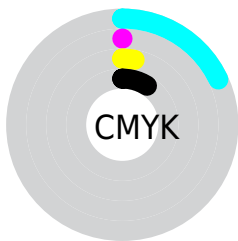
# Distribution



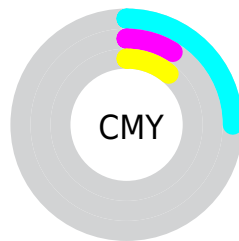
- Red (75%)
- Green (91%)
- Blue (89%)



- Red (75%)
- Yellow (84%)
- Blue (91%)



- Cyan (18%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)




- Cyan (25%)
- Magenta (9%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8452, 0.2896, 0.3368 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 74.8452, 0.2896, 0.3368 by changing the saturation by 10% instead.





 74.8452, 0.2896,  
0.3368

 74.8452, 0.2896,  
0.3368

477.3853, 0.3002,  
0.3333

 55.4861, 0.2872,  
0.3376


 126.0932, 0.2933,  
0.3356

 39.7910, 0.2842,  
0.3386


158.7509, 0.2947,  
0.3351

 27.3757, 0.2805,  
0.3398

196.6102, 0.2959,  
0.3347

 17.8555, 0.2756,  
0.3414

240.0556, 0.2970,  
0.3343

 10.8463, 0.2690,  
0.3435

289.4714, 0.2980,  
0.3340

 5.9636, 0.2596,  
0.3465

345.2420, 0.2988,

 2.8230, 0.2450,

0.3337

0.3511

407.7519, 0.2995,  
0.3335

■ 1.0400, 0.2142,  
0.3612

■ 0.0000, 0.0000,  
0.0000

■ 74.8452, 0.2896,  
0.3368

■ 74.8452, 0.2896,  
0.3368

■ 71.8535, 0.2779,  
0.3417

■ 78.3284, 0.3022,  
0.3323

■ 69.3214, 0.2673,  
0.3469


■ 82.3151, 0.3154,  
0.3282


■ 67.2274, 0.2581,  
0.3525


■ 85.6901, 0.3247,  
0.3245

■ 65.5446, 0.2506,  
0.3582


■ 85.9196, 0.3223,  
0.3207

 64.2434, 0.2450,  
0.3642


 86.1540, 0.3198,  
0.3170

 63.2899, 0.2414,  
0.3702

 86.3934, 0.3173,  
0.3132

 62.6442, 0.2397,  
0.3762

 86.6378, 0.3149,  
0.3096

 62.2509, 0.2397,  
0.3821

 86.7583, 0.3137,  
0.3078

 62.1866, 0.2398,  
0.3832

# Harmonies

## Analogous

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



74.8452, 0.3052, 0.3515



74.8452, 0.2896, 0.3368



74.8452, 0.2802, 0.3202

# Triad

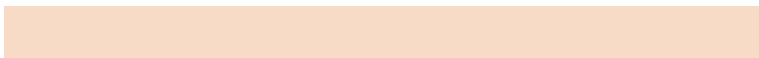
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8452, 0.2896, 0.3368



74.8452, 0.3016, 0.3002



74.8452, 0.3473, 0.3502

# Complementary

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



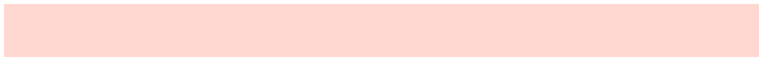
74.8452, 0.2896, 0.3368



58.6661, 0.3420, 0.3214

# 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.



74.8452, 0.3464, 0.3362



74.8452, 0.2896, 0.3368



74.8452, 0.3196, 0.3080

# Square

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



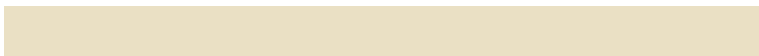
74.8452, 0.2896, 0.3368



74.8452, 0.2869, 0.2996



74.8452, 0.3361, 0.3209



74.8452, 0.3387, 0.3590

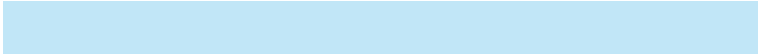


# Rectangle

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



74.8452, 0.2896, 0.3368



74.8452, 0.2786, 0.3107



74.8452, 0.3361, 0.3209



74.8452, 0.3481, 0.3459

# Sweetspot

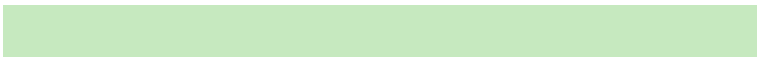
The Sweet Spot groups the original color and five complimentary colors.



74.8483, 0.2896, 0.3368



97.5258, 0.3061, 0.3310



74.0472, 0.3151, 0.3774



20.8029, 0.3052, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

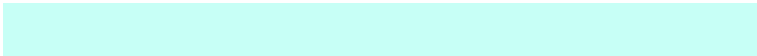


# Same Dimension

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



74.8483, 0.2896, 0.3368



90.2827, 0.2847, 0.3388



67.6258, 0.2848, 0.3130



17.0764, 0.3003, 0.3329



35.3016, 0.2395, 0.3823



2.7834, 0.2372, 0.3741



# Inverse Universe

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



58.6661, 0.3420, 0.3214



66.6257, 0.3504, 0.3195



64.7516, 0.3450, 0.3445



15.0949, 0.3267, 0.3251



9.9239, 0.6156, 0.3165

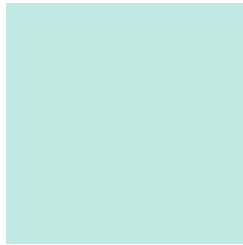


0.7914, 0.5803, 0.2970



# Previews

## White Background



This preview shows how the Yxy color 74.8452, 0.2896, 0.3368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

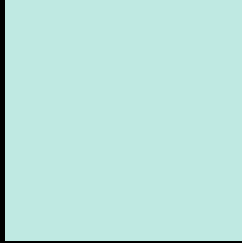
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.8452, 0.2896, 0.3368 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

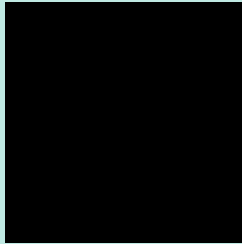
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

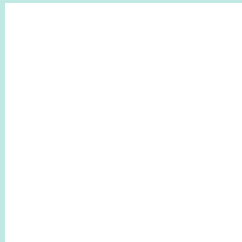
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.8452, 0.2896, 0.3368**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.8452, 0.2896, 0.3368.

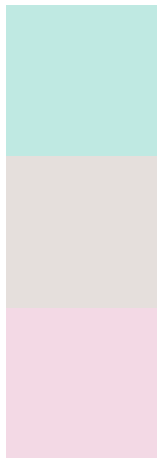


This preview shows how white text looks on a background with the Yxy color 74.8452, 0.2896, 0.3368.

# 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

74.8452, 0.2896, 0.3368

### Protanopia

74.6007, 0.3189, 0.3322

### Deuteranopia

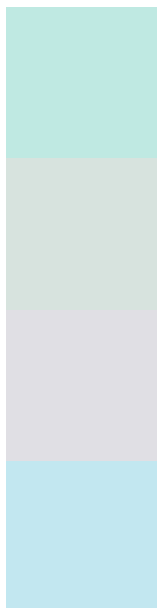
74.3375, 0.3234, 0.3167



## Tritanopia

74.9730, 0.2794, 0.3093

# Trichromacy



## Original Color

74.8452, 0.2896, 0.3368

## Protanomaly

74.6592, 0.3076, 0.3344

## Deuteranomaly

74.2241, 0.3102, 0.3237

## Tritanomaly

74.9124, 0.2834, 0.3190

# Monochromacy



## Original Color

74.8452, 0.2896, 0.3368

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

72.6797, 0.3036, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.8452, 0.2896, 0.3368 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(191, 233, 226)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 233, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 233, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 74.8452, 0.2896, 0.3368 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(191, 233, 226) }
```

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

```
.border{ border-color:rgb(191, 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(191, 233, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 233, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 233, 226); box-shadow:4px 4px 4px 4px rgb(191, 233, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.8452, 0.2896, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 233, 226) }
```

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

```
.background{ background-color: rgb(191,  
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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