

# Converting Colors

$Yxy(68.0147, 0.2888, 0.3175)$

Have a look what the booklet for  
Yxy(68.0147, 0.2888, 0.3175)  
contains.

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# Color

**Yxy(67.7895, 0.2891, 0.3176)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2DBE5
RGB	194, 219, 229
RGB Percent	76%, 86%, 90%
CMY	0.2395, 0.1411, 0.1020
CMYK	0.15, 0.04, 0.00, 0.10
HSL	197°, 40%, 83%
HSV	197°, 15%, 90%
XYZ	61.7064, 67.7895, 83.9471
YIQ	212.6650, -18.1100, -2.1900

# Conversions

## Conversions Part 2

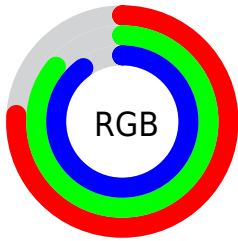
Format	Color
<a href="#">RYB</a>	<a href="#">194, 209, 229</a>
Decimal	<a href="#">12770277</a>
CIELab	<a href="#">85.90, -6.28, -7.70</a>
CIELCh	<a href="#">86, 9.938, 230.787</a>
Yxy	<a href="#">67.7895, 0.2891, 0.3176</a>
Android (android.graphics.Color)	<a href="#">4290960357 (0xFFC2DBE5)</a>
YUV	<a href="#">212.6650, 8.0532, -16.3692</a>
Hunter-Lab	<a href="#">82.3344, -10.3064, -2.8173</a>

# Details

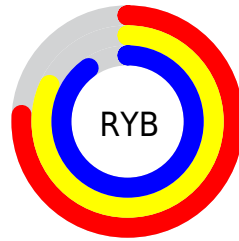
The Yxy color **67.7895, 0.2891, 0.3176** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.6784, 0.3397, 0.3401**, and the grayscale version is **66.2518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **35.1824, 0.2831, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **61.6654, 0.2739, 0.3092**, and if you desaturate by 10%, it is **74.5186, 0.3045, 0.3252**.

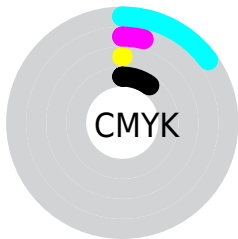
# Distribution



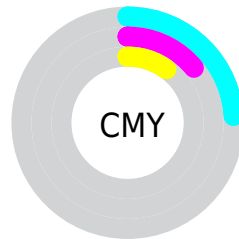
- Red (76%)
- Green (86%)
- Blue (90%)



- Red (76%)
- Yellow (82%)
- Blue (90%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (24%)
- Magenta (14%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7895, 0.2891, 0.3176 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 67.7895, 0.2891, 0.3176 by changing the saturation by 10% instead.



■ 67.7895, 0.2891,  
0.3176

■ 67.7895, 0.2891,  
0.3176

452.7498, 0.3001,  
0.3230

■ 49.7265, 0.2866,  
0.3163

■ 116.0510, 0.2929,  
0.3195

■ 35.1961, 0.2834,  
0.3147

147.0182, 0.2944,  
0.3203

■ 23.8140, 0.2795,  
0.3127

183.0557, 0.2957,  
0.3209

■ 15.1957, 0.2742,  
0.3099

224.5477, 0.2968,  
0.3214

■ 8.9568, 0.2671,  
0.3061

271.8788, 0.2978,  
0.3219

■ 4.7130, 0.2567,  
0.3003

325.4332, 0.2986,

■ 2.0799, 0.2402,

0.3223

0.2908

385.5954, 0.2994,  
0.3227

0.6533, 0.1949,  
0.2723

0.0000, 0.0000,  
0.0000

67.7895, 0.2891,  
0.3176

67.7895, 0.2891,  
0.3176

61.6654, 0.2739,  
0.3092

74.5186, 0.3045,  
0.3252

56.1151, 0.2592,  
0.3001

81.8657, 0.3199,  
0.3321

51.1168, 0.2453,  
0.2904

88.3791, 0.3298,  
0.3385

46.6441, 0.2327,  
0.2802

92.2466, 0.3291,  
0.3448

■ 42.6678, 0.2216,  
0.2696

■ 96.2526, 0.3283,  
0.3510

■ 39.1549, 0.2124,  
0.2589

■ 98.4362, 0.3280,  
0.3542

■ 36.0676, 0.2051,  
0.2481

■ 33.3597, 0.1999,  
0.2374

■ 32.1854, 0.1979,  
0.2324

# Harmonies

## Analogous

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



67.7895, 0.2925, 0.3282



67.7895, 0.2891, 0.3176



67.7895, 0.2918, 0.3104

# Triad

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



67.7895, 0.2891, 0.3176



67.7895, 0.3240, 0.3191



67.7895, 0.3252, 0.3505

# Complementary

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



67.7895, 0.2891, 0.3176



63.6784, 0.3397, 0.3401

# 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.



67.7895, 0.3339, 0.3476



67.7895, 0.2891, 0.3176



67.7895, 0.3333, 0.3293

# Square

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



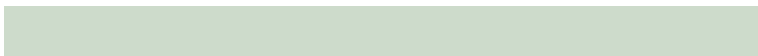
67.7895, 0.2891, 0.3176



67.7895, 0.3118, 0.3114



67.7895, 0.3369, 0.3397



67.7895, 0.3132, 0.3475



# Rectangle

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



67.7895, 0.2891, 0.3176



67.7895, 0.2968, 0.3083



67.7895, 0.3369, 0.3397



67.7895, 0.3286, 0.3502

# Sweetspot

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



67.7923, 0.2891, 0.3176



95.3725, 0.3050, 0.3255



71.8417, 0.3046, 0.3580



20.2779, 0.3039, 0.3249



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

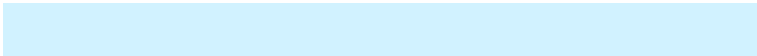


# Same Dimension

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



67.7923, 0.2891, 0.3176



84.2716, 0.2848, 0.3153



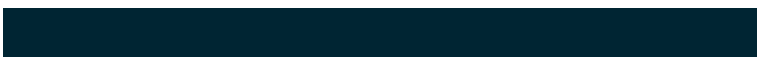
59.1339, 0.2883, 0.2971



15.6081, 0.2981, 0.3222



18.6199, 0.1984, 0.2341



1.5321, 0.2027, 0.2496



# Inverse Universe

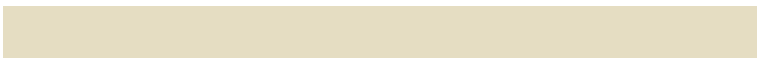
The Inverse Universe completely reimagines the original color for something new.



60.3228, 0.3219, 0.3016



73.3185, 0.3238, 0.2965



72.4647, 0.3368, 0.3590



14.5417, 0.3181, 0.3123



11.0774, 0.4084, 0.2023

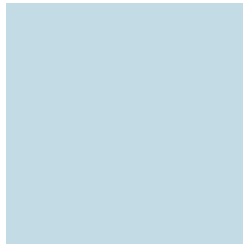


0.8343, 0.3926, 0.1937



# Previews

## White Background



This preview shows how the Yxy color 67.7895, 0.2891, 0.3176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

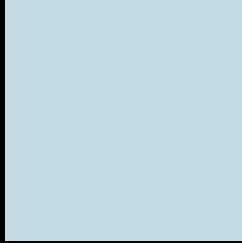
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.7895, 0.2891, 0.3176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

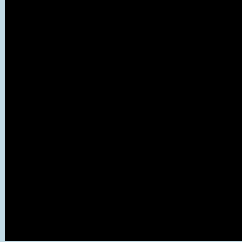
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

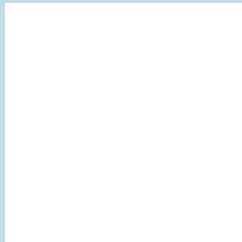
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.7895, 0.2891, 0.3176**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7895, 0.2891, 0.3176.

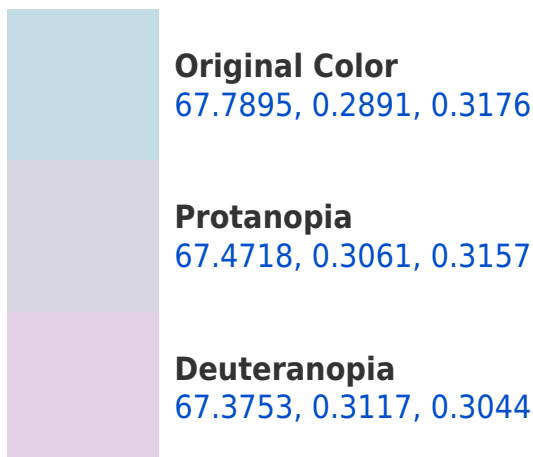


This preview shows how white text looks on a background with the Yxy color 67.7895, 0.2891, 0.3176.

# 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

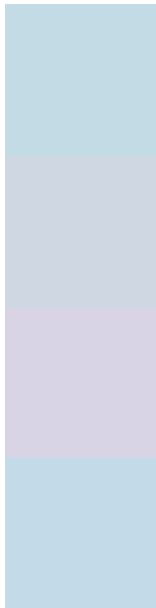




## Tritanopia

67.7431, 0.2861, 0.3098

# Trichromacy



## Original Color

67.7895, 0.2891, 0.3176

## Protanomaly

67.3573, 0.2998, 0.3167

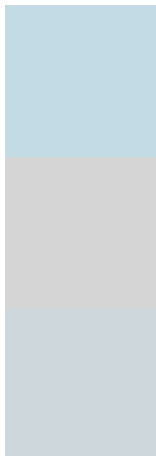
## Deuteranomaly

67.3991, 0.3035, 0.3093

## Tritanomaly

67.6281, 0.2873, 0.3120

# Monochromacy



## Original Color

67.7895, 0.2891, 0.3176

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.8372, 0.3036, 0.3245

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7895, 0.2891, 0.3176 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(194, 219, 229)` looks like.

```
.text, #text, p{  
    color:rgb(194, 219, 229)  
}
```

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(194, 219, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 219, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7895, 0.2891, 0.3176 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(194, 219, 229) }
```

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

```
.border{ border-color:rgb(194, 219, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 219, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 219, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 219, 229);  
box-shadow:4px 4px 4px 4px rgb(194, 219,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7895, 0.2891, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 219, 229) }
```

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

```
.background{ background-color: rgb(194,  
219, 229) }
```

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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