

# Converting Colors

Yxy(69.8798, 0.2843, 0.3064)

Have a look what the booklet for  
Yxy(69.8798, 0.2843, 0.3064)  
contains.

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# Color

**Yxy(70.0695, 0.2847, 0.3068)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6DDF1
RGB	198, 221, 241
RGB Percent	78%, 87%, 95%
CMY	0.2235, 0.1333, 0.0550
CMYK	0.18, 0.08, 0.00, 0.05
HSL	208°, 60%, 86%
HSV	208°, 18%, 95%
XYZ	65.0221, 70.0695, 93.2966
YIQ	216.4030, -20.1280, 1.3440

# Conversions

## Conversions Part 2

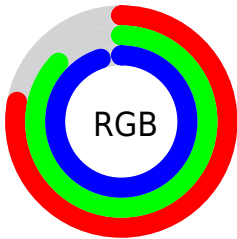
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 213, 241
Decimal	13032945
CIE Lab	87.03, -3.53, -12.32
CIE LCh	87, 12.818, 254.001
Yxy	70.0695, 0.2847, 0.3068
Android (android.graphics.Color)	4291223025 (0xFFC6DDF1)
YUV	216.4030, 12.1263, -16.1394
Hunter-Lab	83.7075, -7.8334, -7.4867

# Details

The Yxy color `70.0695, 0.2847, 0.3068` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `72.9117, 0.3436, 0.3502`, and the grayscale version is `68.8870, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.7045, 0.2783, 0.3014` is the 20% darker color. If you saturate the color by 10%, you get `61.3336, 0.2685, 0.2925`, and if you desaturate by 10%, it is `79.7270, 0.3006, 0.3198`.

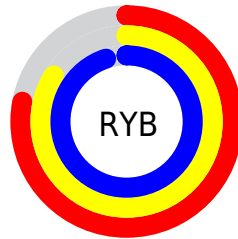
# Distribution



Red (78%)

Green (87%)

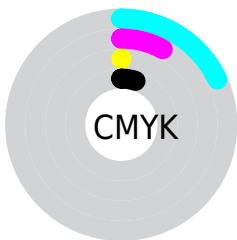
Blue (95%)



Red (78%)

Yellow (84%)

Blue (95%)

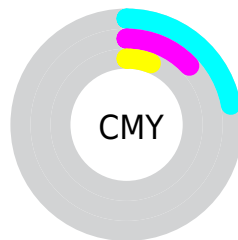


Cyan (18%)

Magenta (8%)

Yellow (0%)

Black (5%)



Cyan (22%)

Magenta (13%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0695, 0.2847, 0.3068 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 70.0695, 0.2847, 0.3068 by changing the saturation by 10% instead.



■ 70.0695, 0.2847,  
0.3068

■ 70.0695, 0.2847,  
0.3068

460.7940, 0.2977,  
0.3172

■ 51.5832, 0.2817,  
0.3044

119.3079, 0.2892,  
0.3104

■ 36.6730, 0.2781,  
0.3014

150.8287, 0.2909,  
0.3118

■ 24.9544, 0.2735,  
0.2977

187.4632, 0.2924,  
0.3130

■ 16.0431, 0.2675,  
0.2927

229.5957, 0.2938,  
0.3141

■ 9.5546, 0.2593,  
0.2859

277.6107, 0.2949,  
0.3150

■ 5.1047, 0.2476,  
0.2760

331.8924, 0.2959,

■ 2.3088, 0.2295,

0.3158

0.2604

392.8254, 0.2968,  
0.3165

0.7784, 0.1952,  
0.2324

0.0000, 0.0000,  
0.0000

70.0695, 0.2847,  
0.3068

70.0695, 0.2847,  
0.3068

61.3336, 0.2685,  
0.2925

79.7270, 0.3006,  
0.3198

53.4783, 0.2524,  
0.2768

90.3277, 0.3160,  
0.3314

46.4721, 0.2367,  
0.2601

98.8831, 0.3209,  
0.3421

40.2779, 0.2219,  
0.2424

99.1294, 0.3209,  
0.3425

■ 34.8550, 0.2085,  
0.2241

■ 30.1580, 0.1971,  
0.2058

■ 26.1348, 0.1879,  
0.1878

■ 22.7174, 0.1811,  
0.1706

■ 22.0349, 0.1797,  
0.1670

# Harmonies

## Analogous

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



70.0695, 0.2830, 0.3171



70.0695, 0.2847, 0.3068



70.0695, 0.2937, 0.3026

# Triad

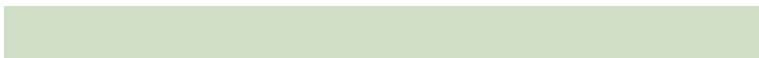
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0695, 0.2847, 0.3068



70.0695, 0.3369, 0.3262



70.0695, 0.3169, 0.3543

# Complementary

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



70.0695, 0.2847, 0.3068



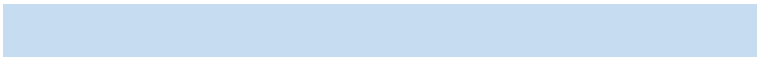
72.9117, 0.3436, 0.3502

# 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.



70.0695, 0.3316, 0.3563



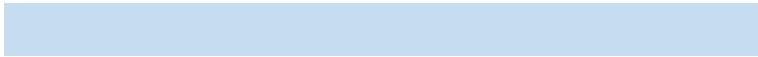
70.0695, 0.2847, 0.3068



70.0695, 0.3434, 0.3397

# Square

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



70.0695, 0.2847, 0.3068



70.0695, 0.3238, 0.3138



70.0695, 0.3414, 0.3508



70.0695, 0.3014, 0.3450



# Rectangle

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



70.0695, 0.2847, 0.3068



70.0695, 0.3028, 0.3036



70.0695, 0.3414, 0.3508



70.0695, 0.3221, 0.3559

# Sweetspot

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



70.0724, 0.2847, 0.3068



93.9376, 0.3050, 0.3232



79.9322, 0.2992, 0.3552



19.9289, 0.3039, 0.3223



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

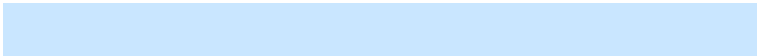


# Same Dimension

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



70.0724, 0.2847, 0.3068



76.3514, 0.2795, 0.3023



59.7426, 0.2835, 0.2829



16.6296, 0.2980, 0.3177



12.2247, 0.1805, 0.1697



1.2160, 0.1868, 0.1923



# Inverse Universe

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



64.3132, 0.3295, 0.3048



68.9624, 0.3332, 0.3002



84.4066, 0.3399, 0.3713



15.9003, 0.3209, 0.3164



11.0274, 0.4810, 0.2423

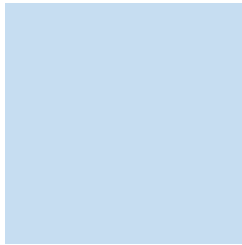


0.9375, 0.4541, 0.2275



# Previews

## White Background



This preview shows how the Yxy color 70.0695, 0.2847, 0.3068 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

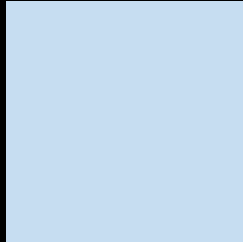
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0695, 0.2847, 0.3068 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

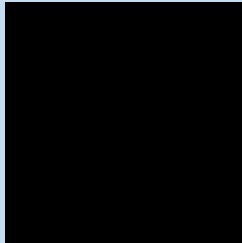
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

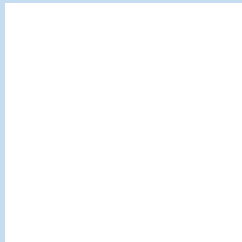
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.0695, 0.2847, 0.3068**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0695, 0.2847, 0.3068.

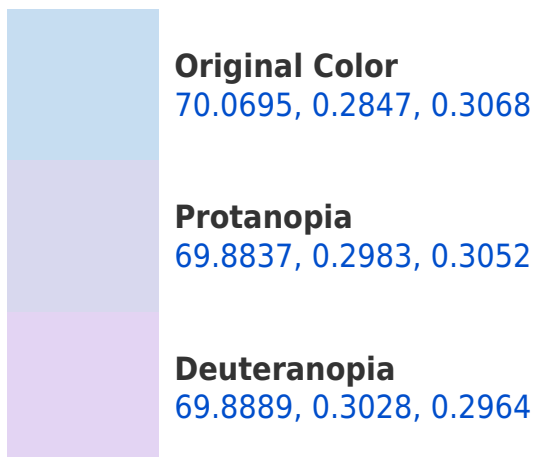


This preview shows how white text looks on a background with the Yxy color 70.0695, 0.2847, 0.3068.

# 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

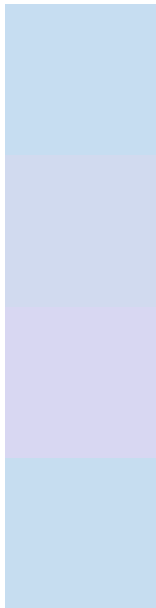




## Tritanopia

69.9507, 0.2859, 0.3089

# Trichromacy



**Original Color**

70.0695, 0.2847, 0.3068

**Protanomaly**

69.9301, 0.2930, 0.3060

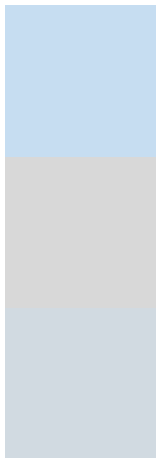
**Deuteranomaly**

69.6106, 0.2958, 0.2999

**Tritanomaly**

70.0099, 0.2853, 0.3079

# Monochromacy



**Original Color**

70.0695, 0.2847, 0.3068

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

69.1344, 0.3018, 0.3212

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0695, 0.2847, 0.3068 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(198, 221, 241)` looks like.

```
.text, #text, p{  
    color:rgb(198, 221, 241)  
}
```

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(198, 221, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 221, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0695, 0.2847, 0.3068 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(198, 221, 241) }
```

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

```
.border{ border-color:rgb(198, 221, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 221, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 221, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 221, 241);  
box-shadow:4px 4px 4px 4px rgb(198, 221,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0695, 0.2847, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 221, 241) }
```

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

```
.background{ background-color: rgb(198,  
221, 241) }
```

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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