

# Converting Colors

$Yxy(66.8332, 0.2939, 0.3126)$

Have a look what the booklet for  
Yxy(66.8332, 0.2939, 0.3126)  
contains.

<b>Yxy(66.8706, 0.2938, 0.3121)</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(66.8706, 0.2938, 0.3121)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAD7E6
RGB	202, 215, 230
RGB Percent	79%, 84%, 90%
CMY	0.2076, 0.1569, 0.0981
CMYK	0.12, 0.07, 0.00, 0.10
HSL	212°, 36%, 85%
HSV	212°, 12%, 90%
XYZ	62.9496, 66.8706, 84.4399
YIQ	212.8230, -12.5630, 1.9090

# Conversions

## Conversions Part 2

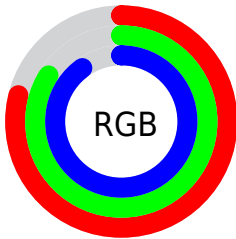
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 211, 230
Decimal	13293542
CIE Lab	85.44, -1.40, -8.86
CIE LCh	85, 8.965, 261.012
Yxy	66.8706, 0.2938, 0.3121
Android (android.graphics.Color)	4291483622 (0xFFCAD7E6)
YUV	212.8230, 8.4683, -9.4918
Hunter-Lab	81.7744, -5.6967, -3.9805

# Details

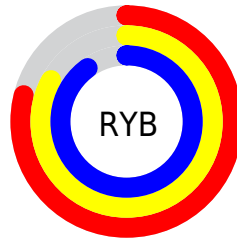
The Yxy color **66.8706, 0.2938, 0.3121** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.7389, 0.3326, 0.3453**, and the grayscale version is **66.3703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.5327, 0.2889, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **57.8473, 0.2775, 0.2964**, and if you desaturate by 10%, it is **76.8522, 0.3095, 0.3262**.

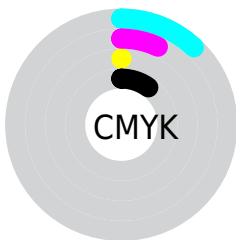
# Distribution



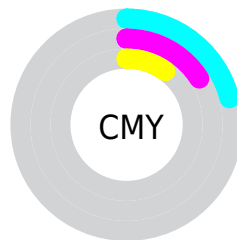
- Red (79%)
- Green (84%)
- Blue (90%)



- Red (79%)
- Yellow (83%)
- Blue (90%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)



- Cyan (21%)
- Magenta (16%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8706, 0.2938, 0.3121 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 66.8706, 0.2938, 0.3121 by changing the saturation by 10% instead.



■ 66.8706, 0.2938,  
0.3121

■ 66.8706, 0.2938,  
0.3121

449.4840, 0.3027,  
0.3201

■ 48.9795, 0.2918,  
0.3103

114.7350, 0.2969,  
0.3149

■ 34.6032, 0.2892,  
0.3080

145.4770, 0.2981,  
0.3160

■ 23.3574, 0.2860,  
0.3050

181.2715, 0.2991,  
0.3169

■ 14.8576, 0.2817,  
0.3011

222.5028, 0.3000,  
0.3177

■ 8.7195, 0.2758,  
0.2958

269.5553, 0.3008,  
0.3184

■ 4.5587, 0.2672,  
0.2878

322.8134, 0.3015,

■ 1.9907, 0.2534,

0.3190

0.2750

382.6615, 0.3021,  
0.3196

0.6021, 0.2197,  
0.2458

0.0000, 0.0000,  
0.0000

66.8706, 0.2938,  
0.3121

66.8706, 0.2938,  
0.3121

57.8473, 0.2775,  
0.2964

76.8522, 0.3095,  
0.3262

49.7423, 0.2608,  
0.2791

87.8136, 0.3243,  
0.3387

42.5252, 0.2441,  
0.2603

96.6132, 0.3277,  
0.3504

36.1601, 0.2278,  
0.2403

98.4923, 0.3274,  
0.3532

■ 30.6085, 0.2126,  
0.2195

■ 25.8279, 0.1990,  
0.1984

■ 21.7710, 0.1875,  
0.1776

■ 18.3824, 0.1786,  
0.1578

■ 16.1271, 0.1731,  
0.1433

# Harmonies

## Analogous

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



66.8706, 0.2913, 0.3186



66.8706, 0.2938, 0.3121



66.8706, 0.3013, 0.3101

# Triad

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



66.8706, 0.2938, 0.3121



66.8706, 0.3314, 0.3294



66.8706, 0.3131, 0.3457

# Complementary

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



66.8706, 0.2938, 0.3121



70.7389, 0.3326, 0.3453

# 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.



66.8706, 0.3240, 0.3485



66.8706, 0.2938, 0.3121



66.8706, 0.3347, 0.3388

# Square

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



66.8706, 0.2938, 0.3121



66.8706, 0.3230, 0.3200



66.8706, 0.3319, 0.3459



66.8706, 0.3023, 0.3382



# Rectangle

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



66.8706, 0.2938, 0.3121



66.8706, 0.3083, 0.3116



66.8706, 0.3319, 0.3459



66.8706, 0.3169, 0.3472

# Sweetspot

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



66.8734, 0.2938, 0.3121



94.6723, 0.3066, 0.3237



74.1567, 0.3020, 0.3436



20.0541, 0.3054, 0.3226



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

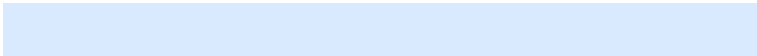


# Same Dimension

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



66.8734, 0.2938, 0.3121



81.0444, 0.2891, 0.3077



60.6750, 0.2942, 0.2973



14.9818, 0.2981, 0.3160



9.3708, 0.1739, 0.1461



0.8767, 0.1816, 0.1737



# Inverse Universe

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



63.9941, 0.3250, 0.3150



76.7242, 0.3284, 0.3114



77.5188, 0.3302, 0.3590



14.4785, 0.3220, 0.3182



10.1437, 0.5110, 0.2589

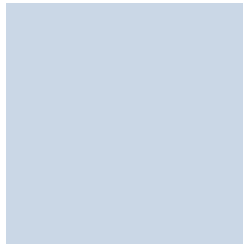


0.7682, 0.4761, 0.2396



# Previews

## White Background



This preview shows how the Yxy color 66.8706, 0.2938, 0.3121 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

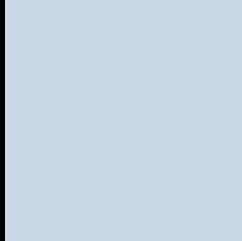
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.8706, 0.2938, 0.3121 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

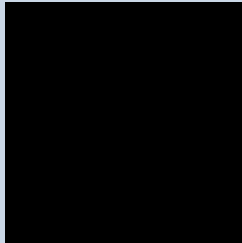
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

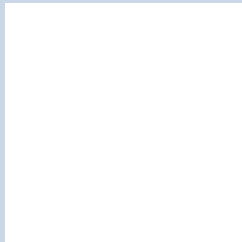
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.8706, 0.2938, 0.3121**

## Background



This preview shows how black text looks on a background with the Yxy color 66.8706, 0.2938, 0.3121.

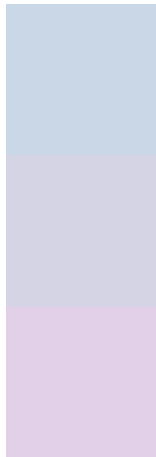


This preview shows how white text looks on a background with the Yxy color 66.8706, 0.2938, 0.3121.

# 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

66.8706, 0.2938, 0.3121

### Protanopia

66.8345, 0.3027, 0.3113

### Deuteranopia

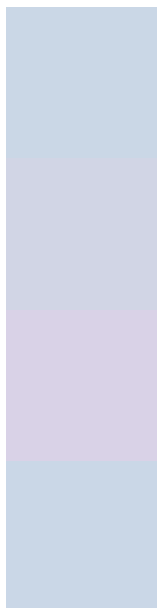
66.6206, 0.3095, 0.3022



## Tritanopia

66.9836, 0.2925, 0.3099

# Trichromacy



## Original Color

66.8706, 0.2938, 0.3121

## Protanomaly

66.8010, 0.2992, 0.3112

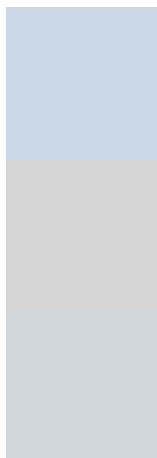
## Deuteranomaly

66.6144, 0.3036, 0.3060

## Tritanomaly

66.9270, 0.2931, 0.3110

# Monochromacy



## Original Color

66.8706, 0.2938, 0.3121

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.7629, 0.3057, 0.3234

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.8706, 0.2938, 0.3121 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(202, 215, 230)` looks like.

```
.text, #text, p{  
    color:rgb(202, 215, 230)  
}
```

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(202, 215, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 215, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 66.8706, 0.2938, 0.3121 is called "border". The border property can be set on classes, ids or directly on the HTML element.

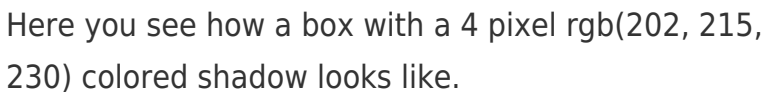
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 215, 230) }
```

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

```
.border{ border-color:rgb(202, 215, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(202, 215, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 215, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 215, 230);  
box-shadow:4px 4px 4px 4px rgb(202, 215,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.8706, 0.2938, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 215, 230) }
```

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

```
.background{ background-color: rgb(202,  
215, 230) }
```

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