

# Converting Colors

$Yxy(69.5891, 0.2885, 0.3174)$

Have a look what the booklet for  
Yxy(69.5891, 0.2885, 0.3174)  
contains.

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# Color

**Yxy(69.8045, 0.2888, 0.3177)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4DEE8
RGB	196, 222, 232
RGB Percent	77%, 87%, 91%
CMY	0.2313, 0.1294, 0.0903
CMYK	0.15, 0.04, 0.00, 0.09
HSL	197°, 44%, 84%
HSV	197°, 15%, 91%
XYZ	63.4546, 69.8045, 86.4591
YIQ	215.3660, -18.7060, -2.4020

# Conversions

## Conversions Part 2

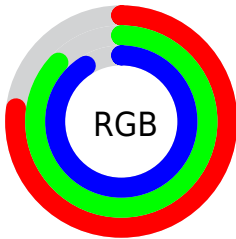
Format	Color
R <sub>Y</sub> B	196, 211, 232
Decimal	12902120
CIE Lab	86.90, -6.54, -7.79
CIE LCh	87, 10.170, 229.969
Yxy	69.8045, 0.2888, 0.3177
Android (android.graphics.Color)	4291092200 (0xFFC4DEE8)
YUV	215.3660, 8.2006, -16.9840
Hunter-Lab	83.5491, -10.6421, -2.8707

# Details

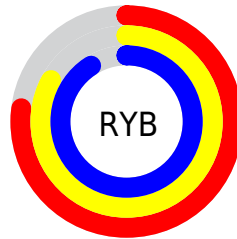
The Yxy color **69.8045, 0.2888, 0.3177** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.2877, 0.3402, 0.3400**, and the grayscale version is **68.1728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **36.5228, 0.2835, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **63.5762, 0.2736, 0.3095**, and if you desaturate by 10%, it is **76.6503, 0.3042, 0.3252**.

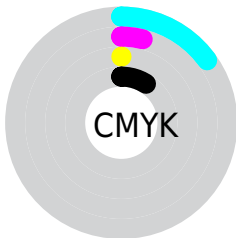
# Distribution



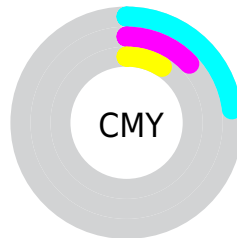
- Red (77%)
- Green (87%)
- Blue (91%)



- Red (77%)
- Yellow (83%)
- Blue (91%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (23%)
- Magenta (13%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8045, 0.2888, 0.3177 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 69.8045, 0.2888, 0.3177 by changing the saturation by 10% instead.



■ 69.8045, 0.2888,  
0.3177

■ 69.8045, 0.2888,  
0.3177

459.8633, 0.2999,  
0.3231

■ 51.3672, 0.2863,  
0.3164

118.9299, 0.2926,  
0.3196

■ 36.5009, 0.2831,  
0.3149

150.3868, 0.2941,  
0.3203

■ 24.8213, 0.2792,  
0.3129

186.9523, 0.2954,  
0.3209

■ 15.9440, 0.2740,  
0.3102

229.0109, 0.2965,  
0.3215

■ 9.4845, 0.2669,  
0.3064

276.9468, 0.2975,  
0.3219

■ 5.0585, 0.2567,  
0.3009

331.1446, 0.2984,

■ 2.2816, 0.2407,

0.3224

0.2918

391.9886, 0.2992,  
0.3227

0.7640, 0.2046,  
0.2760

0.0000, 0.0000,  
0.0000

69.8045, 0.2888,  
0.3177

69.8045, 0.2888,  
0.3177

63.5762, 0.2736,  
0.3095

76.6503, 0.3042,  
0.3252

57.9333, 0.2589,  
0.3006

84.1269, 0.3196,  
0.3320

52.8534, 0.2452,  
0.2911

90.1872, 0.3276,  
0.3382

48.3092, 0.2326,  
0.2811

94.0749, 0.3269,  
0.3444

■ 44.2706, 0.2217,  
0.2708

■ 98.0990, 0.3263,  
0.3505

■ 40.7037, 0.2126,  
0.2603

■ 98.6052, 0.3262,  
0.3513

■ 37.5693, 0.2055,  
0.2497

■ 34.8195, 0.2004,  
0.2393

■ 33.6731, 0.1985,  
0.2347

# Harmonies

## Analogous

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



69.8045, 0.2925, 0.3285



69.8045, 0.2888, 0.3177



69.8045, 0.2914, 0.3103

# Triad

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



69.8045, 0.2888, 0.3177



69.8045, 0.3239, 0.3187



69.8045, 0.3257, 0.3508

# Complementary

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



69.8045, 0.2888, 0.3177



65.2877, 0.3402, 0.3400

# 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.



69.8045, 0.3344, 0.3476



69.8045, 0.2888, 0.3177



69.8045, 0.3334, 0.3290

# Square

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



69.8045, 0.2888, 0.3177



69.8045, 0.3115, 0.3110



69.8045, 0.3373, 0.3396



69.8045, 0.3136, 0.3479



# Rectangle

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



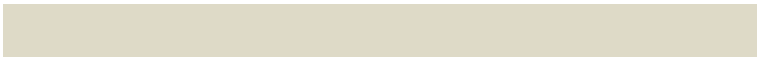
69.8045, 0.2888, 0.3177



69.8045, 0.2963, 0.3081



69.8045, 0.3373, 0.3396



69.8045, 0.3291, 0.3504

# Sweetspot

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



69.8074, 0.2888, 0.3177



95.4236, 0.3050, 0.3255



73.8807, 0.3049, 0.3592



20.2903, 0.3039, 0.3250



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

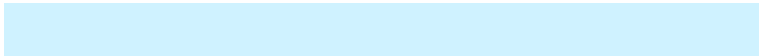


# Same Dimension

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



69.8074, 0.2888, 0.3177



83.6562, 0.2833, 0.3148



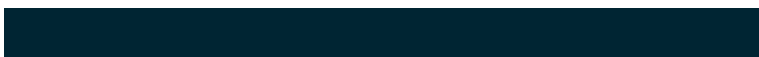
60.9494, 0.2880, 0.2974



15.6243, 0.2981, 0.3223



18.9191, 0.1990, 0.2364



1.5522, 0.2032, 0.2515



# Inverse Universe

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



61.9195, 0.3219, 0.3010



72.0516, 0.3243, 0.2943



74.2327, 0.3373, 0.3588



14.5434, 0.3180, 0.3122



11.1076, 0.4060, 0.2010

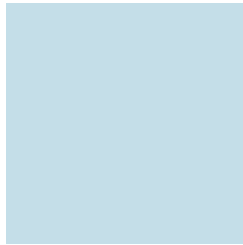


0.8364, 0.3907, 0.1926



# Previews

## White Background



This preview shows how the Yxy color 69.8045, 0.2888, 0.3177 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

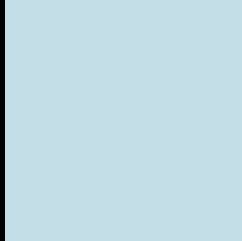
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8045, 0.2888, 0.3177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

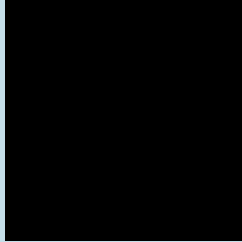
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

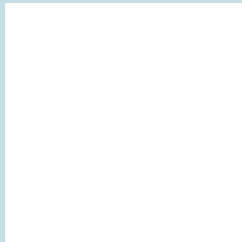
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8045, 0.2888, 0.3177**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8045, 0.2888, 0.3177.

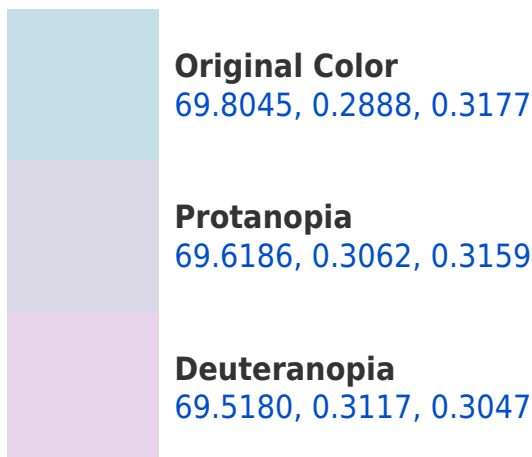


This preview shows how white text looks on a background with the Yxy color 69.8045, 0.2888, 0.3177.

# 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

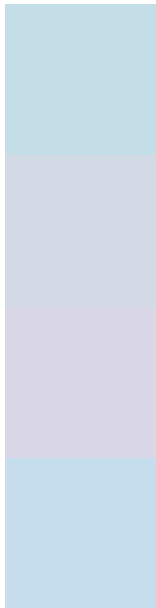




## Tritanopia

69.8152, 0.2852, 0.3089

# Trichromacy



## Original Color

69.8045, 0.2888, 0.3177

## Protanomaly

69.5016, 0.2999, 0.3168

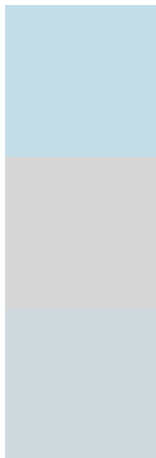
## Deuteranomaly

69.3895, 0.3029, 0.3095

## Tritanomaly

69.6393, 0.2870, 0.3122

# Monochromacy



## Original Color

69.8045, 0.2888, 0.3177

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.7732, 0.3037, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8045, 0.2888, 0.3177 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(196, 222, 232)` looks like.

```
.text, #text, p{  
    color:rgb(196, 222, 232)  
}
```

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(196, 222, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 222, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8045, 0.2888, 0.3177 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(196, 222, 232) }
```

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

```
.border{ border-color:rgb(196, 222, 232) }
```

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

Here you see how a box with a 4 pixel rgb(196, 222, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 222, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 222, 232);  
box-shadow:4px 4px 4px 4px rgb(196, 222,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8045, 0.2888, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 222, 232) }
```

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

```
.background{ background-color: rgb(196,  
222, 232) }
```

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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