

# Converting Colors

$Yxy(66.0090, 0.2876, 0.3100)$

Have a look what the booklet for  
Yxy(66.0090, 0.2876, 0.3100)  
contains.

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# Color

**Yxy(66.0292, 0.2878, 0.3096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3D7E8
RGB	195, 215, 232
RGB Percent	76%, 84%, 91%
CMY	0.2351, 0.1569, 0.0901
CMYK	0.16, 0.07, 0.00, 0.09
HSL	208°, 45%, 84%
HSV	208°, 16%, 91%
XYZ	61.3799, 66.0292, 85.8636
YIQ	210.9580, -17.3770, 1.0470

# Conversions

## Conversions Part 2

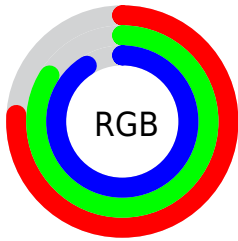
Format	Color
R <sub>Y</sub> B	195, 208, 232
Decimal	12834792
CIE Lab	85.01, -3.21, -10.62
CIE LCh	85, 11.094, 253.168
Yxy	66.0292, 0.2878, 0.3096
Android (android.graphics.Color)	4291024872 (0xFFC3D7E8)
YUV	210.9580, 10.3737, -13.9952
Hunter-Lab	81.2584, -7.3692, -5.7693

# Details

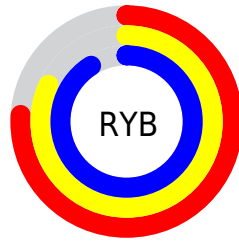
The Yxy color **66.0292, 0.2878, 0.3096** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.2160, 0.3399, 0.3477**, and the grayscale version is **65.0567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **33.9389, 0.2820, 0.3049** is the 20% darker color. If you saturate the color by 10%, you get **57.9145, 0.2717, 0.2957**, and if you desaturate by 10%, it is **74.9847, 0.3036, 0.3222**.

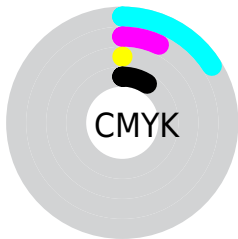
# Distribution



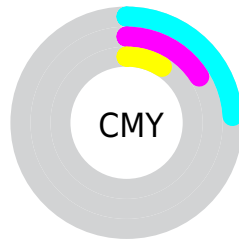
- Red (76%)
- Green (84%)
- Blue (91%)



- Red (76%)
- Yellow (82%)
- Blue (91%)



- Cyan (16%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (24%)
- Magenta (16%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0292, 0.2878, 0.3096 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 66.0292, 0.2878, 0.3096 by changing the saturation by 10% instead.



■ 66.0292, 0.2878,  
0.3096

■ 66.0292, 0.2878,  
0.3096

■ 446.4813, 0.2995,  
0.3188

■ 48.2961, 0.2851,  
0.3075

■ 113.5282, 0.2919,  
0.3128

■ 34.0614, 0.2818,  
0.3048

■ 144.0630, 0.2934,  
0.3141

■ 22.9408, 0.2775,  
0.3014

■ 179.6337, 0.2948,  
0.3151

■ 14.5498, 0.2719,  
0.2968

■ 220.6249, 0.2960,  
0.3161

■ 8.5040, 0.2642,  
0.2905

■ 267.4208, 0.2970,  
0.3169

■ 4.4191, 0.2530,  
0.2812

■ 320.4059, 0.2979,

■ 1.9107, 0.2351,

0.3176

0.2661

379.9646, 0.2987,  
0.3182

0.5548, 0.1868,  
0.2309

0.0000, 0.0000,  
0.0000

66.0292, 0.2878,  
0.3096

66.0292, 0.2878,  
0.3096

57.9145, 0.2717,  
0.2957

74.9847, 0.3036,  
0.3222

50.6034, 0.2556,  
0.2805

84.7999, 0.3188,  
0.3334

44.0681, 0.2398,  
0.2641

93.6287, 0.3270,  
0.3437

38.2754, 0.2249,  
0.2468

98.6070, 0.3262,  
0.3512

■ 33.1891, 0.2114,  
0.2289

■ 28.7691, 0.1996,  
0.2108

■ 24.9696, 0.1900,  
0.1929

■ 21.7355, 0.1828,  
0.1757

■ 20.5496, 0.1803,  
0.1689

# Harmonies

## Analogous

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



66.0292, 0.2865, 0.3189



66.0292, 0.2878, 0.3096



66.0292, 0.2956, 0.3057

# Triad

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



66.0292, 0.2878, 0.3096



66.0292, 0.3338, 0.3263



66.0292, 0.3168, 0.3514

# Complementary

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



66.0292, 0.2878, 0.3096



68.2160, 0.3399, 0.3477

# 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.



66.0292, 0.3297, 0.3530



66.0292, 0.2878, 0.3096



66.0292, 0.3397, 0.3382

# Square

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



66.0292, 0.2878, 0.3096



66.0292, 0.3221, 0.3153



66.0292, 0.3382, 0.3480



66.0292, 0.3031, 0.3434



# Rectangle

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



66.0292, 0.2878, 0.3096



66.0292, 0.3036, 0.3064



66.0292, 0.3382, 0.3480



66.0292, 0.3214, 0.3527

# Sweetspot

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



66.0319, 0.2878, 0.3096



93.9740, 0.3050, 0.3232



74.0657, 0.3006, 0.3522



19.9377, 0.3039, 0.3224



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

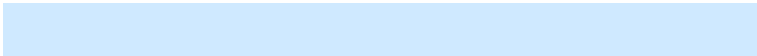


# Same Dimension

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



66.0319, 0.2878, 0.3096



78.5279, 0.2827, 0.3054



57.3150, 0.2869, 0.2884



15.1693, 0.2981, 0.3179



11.6618, 0.1810, 0.1716



1.0472, 0.1879, 0.1965



# Inverse Universe

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



61.1112, 0.3273, 0.3073



71.5339, 0.3307, 0.3029



77.7860, 0.3369, 0.3666



14.4974, 0.3208, 0.3164



10.3750, 0.4787, 0.2410

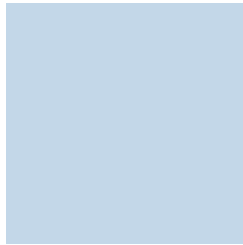


0.7854, 0.4493, 0.2249



# Previews

## White Background



This preview shows how the Yxy color 66.0292, 0.2878, 0.3096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

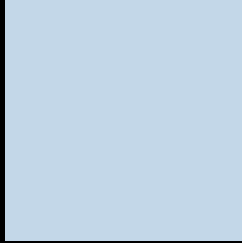
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.0292, 0.2878, 0.3096 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

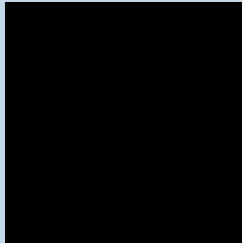
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

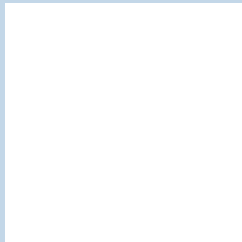
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.0292, 0.2878, 0.3096**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.0292, 0.2878, 0.3096.

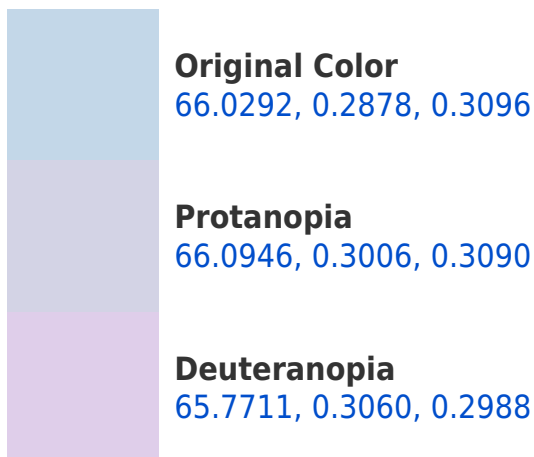


This preview shows how white text looks on a background with the Yxy color 66.0292, 0.2878, 0.3096.

# 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

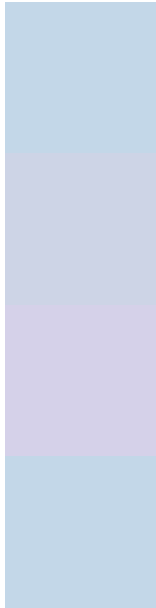




## Tritanopia

66.0292, 0.2878, 0.3096

# Trichromacy



**Original Color**

66.0292, 0.2878, 0.3096

**Protanomaly**

65.7793, 0.2958, 0.3088

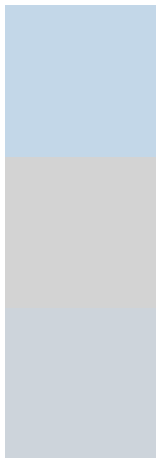
**Deuteranomaly**

65.6303, 0.2994, 0.3026

**Tritanomaly**

66.0292, 0.2878, 0.3096

# Monochromacy



**Original Color**

66.0292, 0.2878, 0.3096

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

65.1806, 0.3029, 0.3210

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.0292, 0.2878, 0.3096 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(195, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(195, 215, 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(195, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 215, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 66.0292, 0.2878, 0.3096 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(195, 215, 232) }
```

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

```
.border{ border-color:rgb(195, 215, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 215, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 215, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 215, 232);  
box-shadow:4px 4px 4px 4px rgb(195, 215,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.0292, 0.2878, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 215, 232) }
```

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

```
.background{ background-color: rgb(195,  
215, 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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