

# Converting Colors

Yxy(66.4328, 0.2898, 0.3097)

Have a look what the booklet for  
Yxy(66.4328, 0.2898, 0.3097)  
contains.

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# Color

**Yxy(66.4328, 0.2898, 0.3097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6D7E8
RGB	198, 215, 232
RGB Percent	78%, 84%, 91%
CMY	0.2234, 0.1569, 0.0901
CMYK	0.15, 0.07, 0.00, 0.09
HSL	210°, 43%, 84%
HSV	210°, 15%, 91%
XYZ	62.1641, 66.4328, 85.9100
YIQ	211.8550, -15.5890, 1.6830

# Conversions

## Conversions Part 2

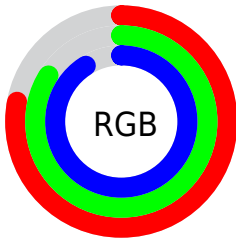
Format	Color
R <sub>Y</sub> B	198, 209, 232
Decimal	13031400
CIE Lab	85.22, -2.26, -10.30
CIE LCh	85, 10.544, 257.596
Yxy	66.4328, 0.2898, 0.3097
Android (android.graphics.Color)	4291221480 (0xFFC6D7E8)
YUV	211.8550, 9.9315, -12.1508
Hunter-Lab	81.5063, -6.4958, -5.4390

# Details

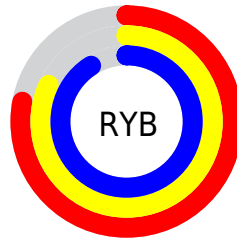
The Yxy color **66.4328, 0.2898, 0.3097** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.8761, 0.3373, 0.3476**, and the grayscale version is **65.6834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.2055, 0.2846, 0.3051** is the 20% darker color. If you saturate the color by 10%, you get **57.8068, 0.2735, 0.2947**, and if you desaturate by 10%, it is **75.9682, 0.3056, 0.3232**.

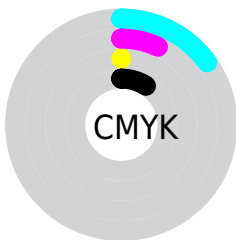
# Distribution



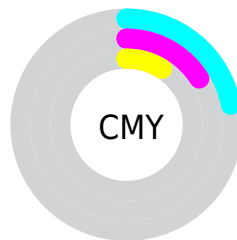
- Red (78%)
- Green (84%)
- Blue (91%)



- Red (78%)
- Yellow (82%)
- Blue (91%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (16%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.4328, 0.2898, 0.3097 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 66.4328, 0.2898, 0.3097 by changing the saturation by 10% instead.



■ 66.4328, 0.2898,  
0.3097

■ 66.4328, 0.2898,  
0.3097

447.9231, 0.3005,  
0.3188

■ 48.6238, 0.2873,  
0.3076

114.1073, 0.2935,  
0.3129

■ 34.3212, 0.2843,  
0.3049

144.7416, 0.2950,  
0.3141

■ 23.1404, 0.2803,  
0.3016

180.4198, 0.2962,  
0.3152

■ 14.6972, 0.2752,  
0.2971

221.5263, 0.2973,  
0.3161

■ 8.6072, 0.2681,  
0.2909

268.4455, 0.2983,  
0.3169

■ 4.4859, 0.2577,  
0.2818

321.5618, 0.2991,

■ 1.9489, 0.2412,

0.3176

0.2671

381.2595, 0.2999,  
0.3182

0.5775, 0.1996,  
0.2335

0.0000, 0.0000,  
0.0000

66.4328, 0.2898,  
0.3097

66.4328, 0.2898,  
0.3097

57.8068, 0.2735,  
0.2947

75.9682, 0.3056,  
0.3232

50.0514, 0.2571,  
0.2782

86.4338, 0.3207,  
0.3353

43.1367, 0.2408,  
0.2605

95.3823, 0.3267,  
0.3464

37.0279, 0.2252,  
0.2416

98.6078, 0.3262,  
0.3512

■ 31.6869, 0.2109,  
0.2221

■ 27.0718, 0.1982,  
0.2024

■ 23.1351, 0.1878,  
0.1829

■ 19.8205, 0.1799,  
0.1644

■ 18.2607, 0.1764,  
0.1550

# Harmonies

## Analogous

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



66.4328, 0.2876, 0.3179



66.4328, 0.2898, 0.3097



66.4328, 0.2980, 0.3068

# Triad

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



66.4328, 0.2898, 0.3097



66.4328, 0.3339, 0.3281



66.4328, 0.3147, 0.3495

# Complementary

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



66.4328, 0.2898, 0.3097



69.8761, 0.3373, 0.3476

# 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.



66.4328, 0.3273, 0.3520



66.4328, 0.2898, 0.3097



66.4328, 0.3385, 0.3393

# Square

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



66.4328, 0.2898, 0.3097



66.4328, 0.3235, 0.3173



66.4328, 0.3361, 0.3481



66.4328, 0.3018, 0.3411



# Rectangle

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



66.4328, 0.2898, 0.3097



66.4328, 0.3060, 0.3081



66.4328, 0.3361, 0.3481



66.4328, 0.3191, 0.3510

# Sweetspot

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



66.4356, 0.2898, 0.3097



94.8984, 0.3066, 0.3240



74.6474, 0.3005, 0.3482



20.1113, 0.3054, 0.3231



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

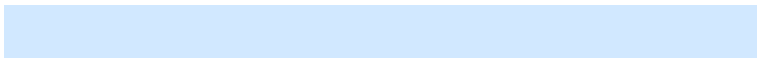


# Same Dimension

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



66.4356, 0.2898, 0.3097



78.5017, 0.2842, 0.3047



58.2427, 0.2891, 0.2900



15.0691, 0.2981, 0.3169



10.3869, 0.1772, 0.1578



0.9533, 0.1845, 0.1843



# Inverse Universe

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



62.4707, 0.3270, 0.3106



72.7361, 0.3309, 0.3061



78.9682, 0.3346, 0.3653



14.4873, 0.3215, 0.3173



10.2463, 0.4959, 0.2505

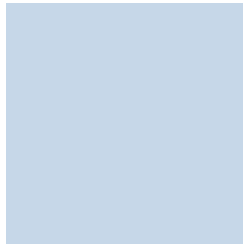


0.7759, 0.4635, 0.2327



# Previews

## White Background



This preview shows how the Yxy color 66.4328, 0.2898, 0.3097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

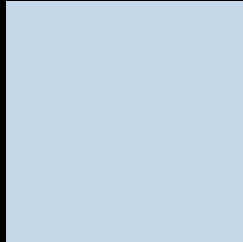
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.4328, 0.2898, 0.3097 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

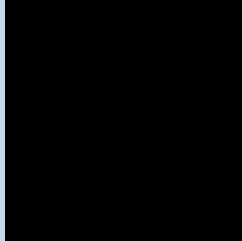
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

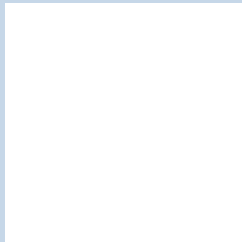
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.4328, 0.2898, 0.3097**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.4328, 0.2898, 0.3097.



This preview shows how white text looks on a background with the Yxy color 66.4328, 0.2898, 0.3097.

# 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

66.4328, 0.2898, 0.3097

### Protanopia

66.1506, 0.3000, 0.3079

### Deuteranopia

66.4135, 0.3067, 0.3000



## Tritanopia

66.4328, 0.2898, 0.3097

# Trichromacy



## Original Color

66.4328, 0.2898, 0.3097

## Protanomaly

65.9783, 0.2958, 0.3077

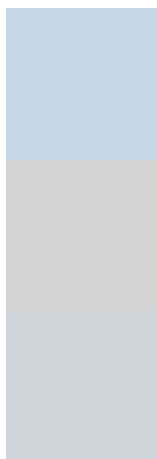
## Deuteranomaly

66.4235, 0.3008, 0.3038

## Tritanomaly

66.4328, 0.2898, 0.3097

# Monochromacy



## Original Color

66.4328, 0.2898, 0.3097

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.9684, 0.3043, 0.3222

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.4328, 0.2898, 0.3097 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, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 215, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 66.4328, 0.2898, 0.3097 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, 215, 232) }
```

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

```
.border{ border-color:rgb(198, 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(198, 215, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 215, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 215, 232);  
box-shadow:4px 4px 4px 4px rgb(198, 215,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.4328, 0.2898, 0.3097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 215, 232) }
```

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

```
.background{ background-color: rgb(198,  
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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