

# Converting Colors

Yxy(63.4124, 0.2910, 0.3007)

Have a look what the booklet for  
Yxy(63.4124, 0.2910, 0.3007)  
contains.

<b>Yxy(63.4124, 0.2910, 0.3007)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(63.4124, 0.2910, 0.3007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9D0E9
RGB	201, 208, 233
RGB Percent	79%, 82%, 91%
CMY	0.2115, 0.1844, 0.0862
CMYK	0.14, 0.11, 0.00, 0.09
HSL	227°, 42%, 85%
HSV	227°, 14%, 91%
XYZ	61.3668, 63.4124, 86.1034
YIQ	208.7570, -12.1970, 6.2910

# Conversions

## Conversions Part 2

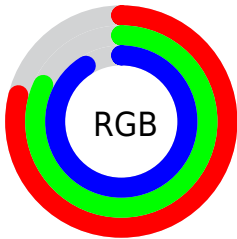
Format	Color
R <sub>Y</sub> B	201, 207, 233
Decimal	13226217
CIE Lab	83.66, 2.59, -13.12
CIE LCh	84, 13.375, 281.150
Yxy	63.4124, 0.2910, 0.3007
Android (android.graphics.Color)	4291416297 (0xFFC9D0E9)
YUV	208.7570, 11.9518, -6.8029
Hunter-Lab	79.6319, -1.7981, -8.3660

# Details

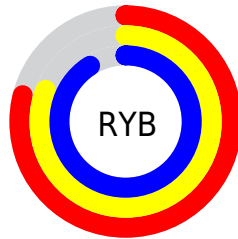
The Yxy color **63.4124, 0.2910, 0.3007** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.9948, 0.3342, 0.3558**, and the grayscale version is **63.5290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.4886, 0.2860, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **52.0285, 0.2735, 0.2770**, and if you desaturate by 10%, it is **76.3166, 0.3071, 0.3218**.

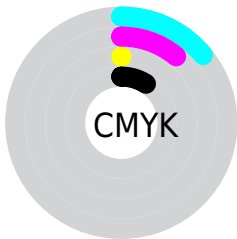
# Distribution



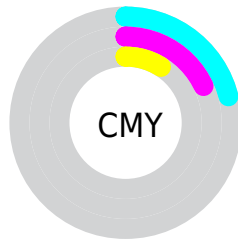
- Red (79%)
- Green (82%)
- Blue (91%)



- Red (79%)
- Yellow (81%)
- Blue (91%)



- Cyan (14%)
- Magenta (11%)
- Yellow (0%)
- Black (9%)



- Cyan (21%)
- Magenta (18%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4124, 0.2910, 0.3007 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 63.4124, 0.2910, 0.3007 by changing the saturation by 10% instead.



■ 63.4124, 0.2910,  
0.3007

■ 63.4124, 0.2910,  
0.3007

437.0646, 0.3013,  
0.3140

■ 46.1749, 0.2886,  
0.2976

109.7643, 0.2946,  
0.3053

■ 32.3839, 0.2856,  
0.2938

139.6474, 0.2960,  
0.3071

■ 21.6549, 0.2817,  
0.2889

174.5146, 0.2972,  
0.3087

■ 13.6035, 0.2766,  
0.2825

214.7502, 0.2982,  
0.3100

■ 7.8454, 0.2696,  
0.2736

260.7386, 0.2991,  
0.3112

■ 3.9962, 0.2591,  
0.2606

312.8642, 0.2999,

■ 1.6714, 0.2421,

0.3122

0.2398

371.5114, 0.3006,  
0.3132

0.4051, 0.1976,  
0.1786

0.0000, 0.0000,  
0.0000

63.4124, 0.2910,  
0.3007

63.4124, 0.2910,  
0.3007

52.0285, 0.2735,  
0.2770

76.3166, 0.3071,  
0.3218

42.1005, 0.2549,  
0.2508

90.7869, 0.3217,  
0.3404

33.5707, 0.2355,  
0.2226

98.6638, 0.3256,  
0.3503

26.3747, 0.2163,  
0.1932

■ 20.4426, 0.1980,  
0.1636

■ 15.6980, 0.1819,  
0.1356

■ 12.0554, 0.1688,  
0.1107

■ 9.4164, 0.1597,  
0.0905

■ 8.1994, 0.1557,  
0.0805

# Harmonies

## Analogous

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



63.4124, 0.2820, 0.3058



63.4124, 0.2910, 0.3007



63.4124, 0.3059, 0.3029

# Triad

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



63.4124, 0.2910, 0.3007



63.4124, 0.3455, 0.3391



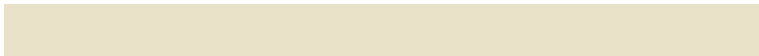
63.4124, 0.3020, 0.3475

# Complementary

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



63.4124, 0.2910, 0.3007



75.9948, 0.3342, 0.3558

# 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.



63.4124, 0.3188, 0.3569



63.4124, 0.2910, 0.3007



63.4124, 0.3443, 0.3515

# Square

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



63.4124, 0.2910, 0.3007



63.4124, 0.3377, 0.3246



63.4124, 0.3344, 0.3583



63.4124, 0.2882, 0.3328



# Rectangle

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



63.4124, 0.2910, 0.3007



63.4124, 0.3174, 0.3080



63.4124, 0.3344, 0.3583



63.4124, 0.3074, 0.3514

# Sweetspot

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



63.4150, 0.2910, 0.3007



93.1219, 0.3066, 0.3212



76.2079, 0.2959, 0.3366



19.6625, 0.3055, 0.3197



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.



63.4150, 0.2910, 0.3007



74.3350, 0.2870, 0.2953



61.4118, 0.2973, 0.2934



15.0771, 0.2980, 0.3100



4.7999, 0.1563, 0.0827



0.5151, 0.1632, 0.1075



# Inverse Universe

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



63.6869, 0.3327, 0.3215



74.7835, 0.3368, 0.3202



78.3458, 0.3268, 0.3636



15.1074, 0.3259, 0.3239



9.9774, 0.6027, 0.3094

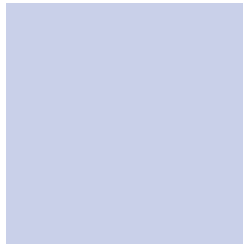


0.7974, 0.5646, 0.2884



# Previews

## White Background



This preview shows how the Yxy color 63.4124, 0.2910, 0.3007 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

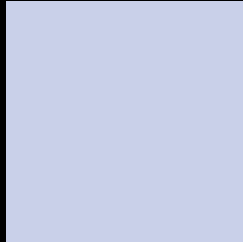
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4124, 0.2910, 0.3007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

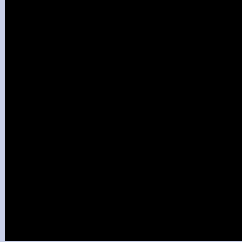
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.4124, 0.2910, 0.3007**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4124, 0.2910, 0.3007.

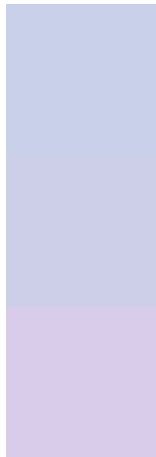


This preview shows how white text looks on a background with the Yxy color 63.4124, 0.2910, 0.3007.

# 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

63.4124, 0.2910, 0.3007

### Protanopia

63.4310, 0.2944, 0.3009

### Deuteranopia

63.4041, 0.3017, 0.2951



## Tritanopia

63.3713, 0.2948, 0.3095

# Trichromacy



## Original Color

63.4124, 0.2910, 0.3007

## Protanomaly

63.2892, 0.2937, 0.3008

## Deuteranomaly

63.4520, 0.2973, 0.2969

## Tritanomaly

63.5374, 0.2928, 0.3062

# Monochromacy



## Original Color

63.4124, 0.2910, 0.3007

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

63.7847, 0.3044, 0.3187

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4124, 0.2910, 0.3007 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(201, 208, 233)` looks like.

```
.text, #text, p{  
    color:rgb(201, 208, 233)  
}
```

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(201, 208, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 208, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4124, 0.2910, 0.3007 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(201, 208, 233) }
```

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

```
.border{ border-color:rgb(201, 208, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 208, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 208, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 208, 233);  
box-shadow:4px 4px 4px 4px rgb(201, 208,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4124, 0.2910, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 208, 233) }
```

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

```
.background{ background-color: rgb(201,  
208, 233) }
```

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