

# Converting Colors

Yxy(64.8622, 0.2804, 0.2912)

Have a look what the booklet for  
Yxy(64.8622, 0.2804, 0.2912)  
contains.

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# Color

**Yxy(64.9169, 0.2804, 0.2910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4D3F5
RGB	196, 211, 245
RGB Percent	77%, 83%, 96%
CMY	0.2311, 0.1726, 0.0392
CMYK	0.20, 0.14, 0.00, 0.04
HSL	222°, 71%, 86%
HSV	222°, 20%, 96%
XYZ	62.5522, 64.9169, 95.6130
YIQ	210.3910, -19.8540, 7.3940

# Conversions

## Conversions Part 2

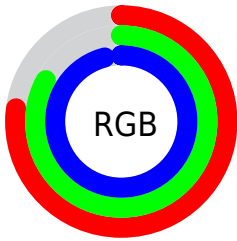
Format	Color
R <sub>Y</sub> B	196, 207, 245
Decimal	12899317
CIE Lab	84.44, 1.98, -18.35
CIE LCh	84, 18.453, 276.161
Yxy	64.9169, 0.2804, 0.2910
Android (android.graphics.Color)	4291089397 (0xFFC4D3F5)
YUV	210.3910, 17.0622, -12.6209
Hunter-Lab	80.5710, -2.4188, -13.9593

# Details

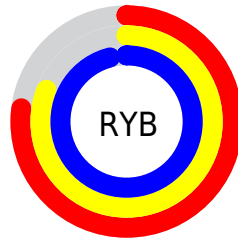
The Yxy color **64.9169, 0.2804, 0.2910** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.0340, 0.3457, 0.3643**, and the grayscale version is **64.6224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **33.5388, 0.2726, 0.2822** is the 20% darker color. If you saturate the color by 10%, you get **53.8798, 0.2627, 0.2686**, and if you desaturate by 10%, it is **77.3920, 0.2972, 0.3111**.

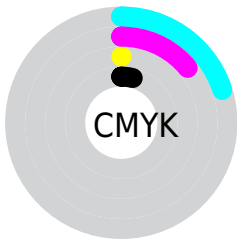
# Distribution



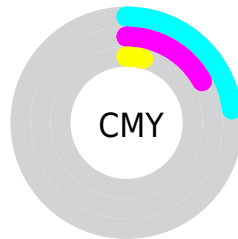
- Red (77%)
- Green (83%)
- Blue (96%)



- Red (77%)
- Yellow (81%)
- Blue (96%)



- Cyan (20%)
- Magenta (14%)
- Yellow (0%)
- Black (4%)



- Cyan (23%)
- Magenta (17%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9169, 0.2804, 0.2910 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 64.9169, 0.2804, 0.2910 by changing the saturation by 10% instead.



■ 64.9169, 0.2804,  
0.2910

■ 64.9169, 0.2804,  
0.2910

442.4933, 0.2956,  
0.3087

■ 47.3937, 0.2769,  
0.2869

111.9304, 0.2857,  
0.2972

■ 33.3470, 0.2725,  
0.2819

142.1894, 0.2877,  
0.2996

■ 22.3924, 0.2670,  
0.2755

177.4626, 0.2895,  
0.3016

■ 14.1455, 0.2597,  
0.2671

218.1342, 0.2910,  
0.3034

■ 8.2219, 0.2498,  
0.2557

264.5887, 0.2924,  
0.3050

■ 4.2373, 0.2354,  
0.2394

317.2104, 0.2936,

■ 1.8072, 0.2129,

0.3064

0.2141

376.3838, 0.2946,  
0.3076

0.4916, 0.1662,  
0.1585

0.0000, 0.0000,  
0.0000

64.9169, 0.2804,  
0.2910

64.9169, 0.2804,  
0.2910

53.8798, 0.2627,  
0.2686

77.3920, 0.2972,  
0.3111

44.2190, 0.2443,  
0.2443

91.3480, 0.3128,  
0.3291

35.8798, 0.2260,  
0.2183

99.3722, 0.3185,  
0.3386

28.8004, 0.2083,  
0.1915

■ 22.9139, 0.1921,  
0.1648

■ 18.1458, 0.1785,  
0.1396

■ 14.4117, 0.1679,  
0.1170

■ 11.5928, 0.1606,  
0.0981

■ 11.5855, 0.1606,  
0.0980

# Harmonies

## Analogous

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



64.9169, 0.2700, 0.2993



64.9169, 0.2804, 0.2910



64.9169, 0.2995, 0.2925

# Triad

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



64.9169, 0.2804, 0.2910



64.9169, 0.3568, 0.3392



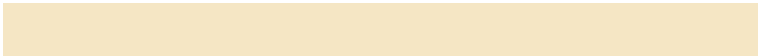
64.9169, 0.3015, 0.3574

# Complementary

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



64.9169, 0.2804, 0.2910



80.0340, 0.3457, 0.3643

# 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.



64.9169, 0.3247, 0.3688



64.9169, 0.2804, 0.2910



64.9169, 0.3572, 0.3570

# Square

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



64.9169, 0.2804, 0.2910



64.9169, 0.3441, 0.3197



64.9169, 0.3452, 0.3682



64.9169, 0.2819, 0.3377



# Rectangle

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



64.9169, 0.2804, 0.2910



64.9169, 0.3150, 0.2986



64.9169, 0.3452, 0.3682



64.9169, 0.3092, 0.3624

# Sweetspot

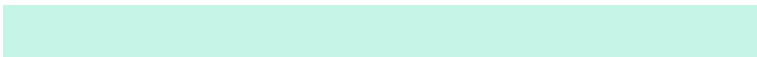
The Sweet Spot groups the original color and five complimentary colors.



64.9195, 0.2804, 0.2910



90.6146, 0.3035, 0.3185



82.7306, 0.2912, 0.3459



19.1843, 0.3025, 0.3173



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.



64.9195, 0.2804, 0.2910



65.9819, 0.2733, 0.2821



59.0870, 0.2856, 0.2747



16.7508, 0.2980, 0.3121



6.4549, 0.1614, 0.1008



0.7411, 0.1681, 0.1252



# Inverse Universe

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



63.6242, 0.3406, 0.3134



64.5315, 0.3479, 0.3100



87.1262, 0.3367, 0.3799



16.5657, 0.3246, 0.3218



10.7510, 0.5746, 0.2939

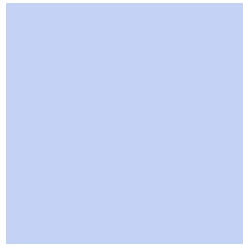


0.9624, 0.5392, 0.2744



# Previews

## White Background



This preview shows how the Yxy color 64.9169, 0.2804, 0.2910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

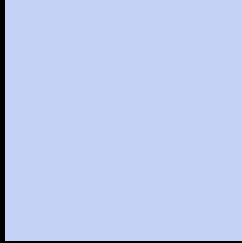
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9169, 0.2804, 0.2910 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

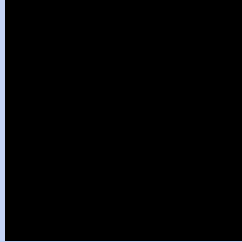
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.9169, 0.2804, 0.2910**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9169, 0.2804, 0.2910.



This preview shows how white text looks on a background with the Yxy color 64.9169, 0.2804, 0.2910.

# 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

64.9169, 0.2804, 0.2910

### Protanopia

64.9700, 0.2862, 0.2904

### Deuteranopia

64.6126, 0.2916, 0.2847



## Tritanopia

64.6391, 0.2876, 0.3095

# Trichromacy



**Original Color**

64.9169, 0.2804, 0.2910

**Protanomaly**

65.0423, 0.2842, 0.2913

**Deuteranomaly**

64.5449, 0.2869, 0.2863

**Tritanomaly**

64.5545, 0.2851, 0.3028

# Monochromacy



**Original Color**

64.9169, 0.2804, 0.2910

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

64.4000, 0.3003, 0.3142

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9169, 0.2804, 0.2910 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, 211, 245)` looks like.

```
.text, #text, p{  
    color:rgb(196, 211, 245)  
}
```

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, 211, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 211, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9169, 0.2804, 0.2910 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, 211, 245) }
```

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

```
.border{ border-color:rgb(196, 211, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 211, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 211, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 211, 245);  
box-shadow:4px 4px 4px 4px rgb(196, 211,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9169, 0.2804, 0.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 211, 245) }
```

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

```
.background{ background-color: rgb(196,  
211, 245) }
```

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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