

# Converting Colors

$Yxy(64.4693, 0.2935, 0.3096)$

Have a look what the booklet for  
Yxy(64.4693, 0.2935, 0.3096)  
contains.

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# Color

**Yxy(64.4693, 0.2935, 0.3096)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8D3E4
RGB	200, 211, 228
RGB Percent	78%, 83%, 89%
CMY	0.2158, 0.1725, 0.1057
CMYK	0.12, 0.07, 0.00, 0.11
HSL	216°, 34%, 84%
HSV	216°, 12%, 89%
XYZ	61.1167, 64.4693, 82.6481
YIQ	209.6490, -12.0130, 2.9550

# Conversions

## Conversions Part 2

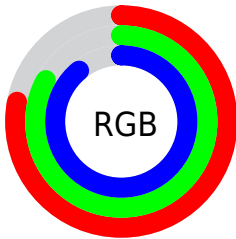
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	200, 208, 228
Decimal	13161444
CIE Lab	84.21, -0.37, -9.67
CIE LCh	84, 9.673, 267.779
Yxy	64.4693, 0.2935, 0.3096
Android (android.graphics.Color)	4291351524 (0xFFC8D3E4)
YUV	209.6490, 9.0470, -8.4622
Hunter-Lab	80.2928, -4.6429, -4.8243

# Details

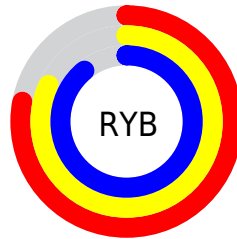
The Yxy color **64.4693, 0.2935, 0.3096** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.3002, 0.3326, 0.3477**, and the grayscale version is **64.1528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.2421, 0.2886, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **54.9791, 0.2769, 0.2917**, and if you desaturate by 10%, it is **75.0254, 0.3092, 0.3256**.

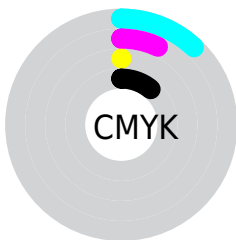
# Distribution



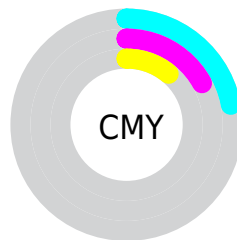
- Red (78%)
- Green (83%)
- Blue (89%)



- Red (78%)
- Yellow (82%)
- Blue (89%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (22%)
- Magenta (17%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4693, 0.2935, 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 64.4693, 0.2935, 0.3096 by changing the saturation by 10% instead.



■ 64.4693, 0.2935,  
0.3096

■ 64.4693, 0.2935,  
0.3096

440.8824, 0.3026,  
0.3188

■ 47.0309, 0.2914,  
0.3075

111.2865, 0.2967,  
0.3128

■ 33.0601, 0.2888,  
0.3048

141.4341, 0.2979,  
0.3141

■ 22.1725, 0.2854,  
0.3014

176.5869, 0.2990,  
0.3151

■ 13.9837, 0.2809,  
0.2969

217.1293, 0.2999,  
0.3160

■ 8.1093, 0.2748,  
0.2906

263.4456, 0.3007,  
0.3168

■ 4.1650, 0.2656,  
0.2813

315.9203, 0.3014,

■ 1.7663, 0.2508,

0.3176

0.2662

374.9378, 0.3020,  
0.3182

0.4660, 0.2066,  
0.2219

0.0000, 0.0000,  
0.0000

64.4693, 0.2935,  
0.3096

64.4693, 0.2935,  
0.3096

54.9791, 0.2769,  
0.2917

75.0254, 0.3092,  
0.3256

46.5111, 0.2597,  
0.2720

86.6730, 0.3239,  
0.3397

39.0304, 0.2423,  
0.2506

96.8181, 0.3288,  
0.3528

32.4968, 0.2252,  
0.2279

98.3836, 0.3285,  
0.3552

■ 26.8669, 0.2090,  
0.2043

■ 22.0933, 0.1944,  
0.1806

■ 18.1232, 0.1822,  
0.1578

■ 14.8955, 0.1727,  
0.1366

■ 12.8530, 0.1672,  
0.1219

# Harmonies

## Analogous

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



64.4693, 0.2894, 0.3157



64.4693, 0.2935, 0.3096



64.4693, 0.3027, 0.3087

# Triad

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



64.4693, 0.2935, 0.3096



64.4693, 0.3345, 0.3318



64.4693, 0.3104, 0.3458

# Complementary

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



64.4693, 0.2935, 0.3096



70.3002, 0.3326, 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.



64.4693, 0.3225, 0.3501



64.4693, 0.2935, 0.3096



64.4693, 0.3366, 0.3417

# Square

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



64.4693, 0.2935, 0.3096



64.4693, 0.3264, 0.3214



64.4693, 0.3321, 0.3485



64.4693, 0.2990, 0.3367



# Rectangle

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



64.4693, 0.2935, 0.3096



64.4693, 0.3106, 0.3110



64.4693, 0.3321, 0.3485



64.4693, 0.3145, 0.3479

# Sweetspot

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



64.4720, 0.2935, 0.3096



94.2298, 0.3066, 0.3230



72.7843, 0.3007, 0.3416



19.9422, 0.3054, 0.3218



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

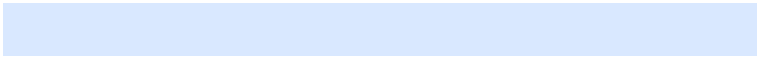


# Same Dimension

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



64.4720, 0.2935, 0.3096



79.5248, 0.2890, 0.3048



59.5686, 0.2953, 0.2970



14.8117, 0.2981, 0.3143



7.6343, 0.1680, 0.1247



0.7409, 0.1760, 0.1537



# Inverse Universe

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



62.5024, 0.3266, 0.3169



76.5708, 0.3303, 0.3141



75.7218, 0.3290, 0.3595



14.4613, 0.3231, 0.3198



9.9684, 0.5401, 0.2749

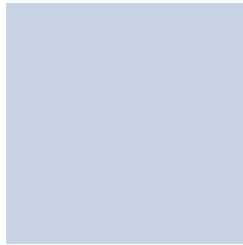


0.7545, 0.5011, 0.2534



# Previews

## White Background



This preview shows how the Yxy color 64.4693, 0.2935, 0.3096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

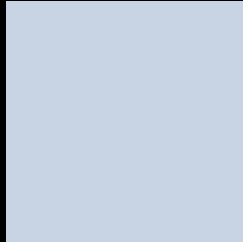
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4693, 0.2935, 0.3096 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

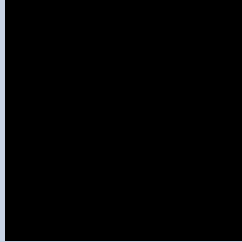
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

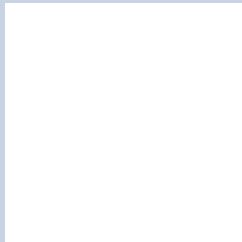
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.4693, 0.2935, 0.3096**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4693, 0.2935, 0.3096.

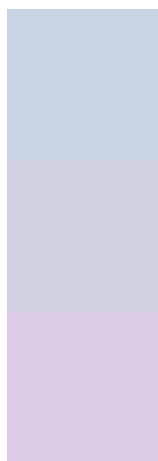


This preview shows how white text looks on a background with the Yxy color 64.4693, 0.2935, 0.3096.

# 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



### Original Color

64.4693, 0.2935, 0.3096

### Protanopia

64.6472, 0.3012, 0.3099

### Deuteranopia

64.2150, 0.3080, 0.3017



## Tritanopia

64.4693, 0.2935, 0.3096

# Trichromacy



## Original Color

64.4693, 0.2935, 0.3096

## Protanomaly

64.7610, 0.2984, 0.3098

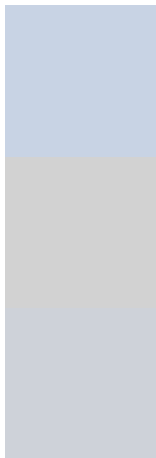
## Deuteranomaly

64.4289, 0.3021, 0.3046

## Tritanomaly

64.4693, 0.2935, 0.3096

# Monochromacy



## Original Color

64.4693, 0.2935, 0.3096

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

64.2248, 0.3050, 0.3210

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4693, 0.2935, 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(200, 211, 228)` looks like.

```
.text, #text, p{  
    color:rgb(200, 211, 228)  
}
```

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(200, 211, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 211, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4693, 0.2935, 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(200, 211, 228) }
```

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

```
.border{ border-color:rgb(200, 211, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 211, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 211, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 211, 228);  
box-shadow:4px 4px 4px 4px rgb(200, 211,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4693, 0.2935, 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(200, 211, 228) }
```

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

```
.background{ background-color: rgb(200,  
211, 228) }
```

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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