

# Converting Colors

$Yxy(64.7023, 0.2897, 0.3178)$

Have a look what the booklet for  
Yxy(64.7023, 0.2897, 0.3178)  
contains.

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# Color

**Yxy(64.5513, 0.2900, 0.3173)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">BFD6E0</a>
RGB	<a href="#">191, 214, 224</a>
RGB Percent	<a href="#">75%, 84%, 88%</a>
CMY	<a href="#">0.2508, 0.1608, 0.1215</a>
CMYK	<a href="#">0.15, 0.04, 0.00, 0.12</a>
HSL	<a href="#">198°, 35%, 81%</a>
HSV	<a href="#">198°, 15%, 88%</a>
XYZ	<a href="#">58.9974, 64.5513, 79.8906</a>
YIQ	<a href="#">208.2630, -16.9180, -1.7660</a>

# Conversions

## Conversions Part 2

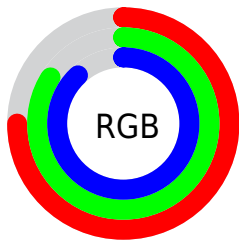
Format	Color
<b>RYB</b>	191, 205, 224
Decimal	12572384
CIELab	84.25, -5.61, -7.54
CIELCh	84, 9.395, 233.374
Yxy	64.5513, 0.2900, 0.3173
Android (android.graphics.Color)	4290762464 (0xFFBFD6E0)
YUV	208.2630, 7.7583, -15.1397
Hunter-Lab	80.3438, -9.5271, -2.7149

# Details

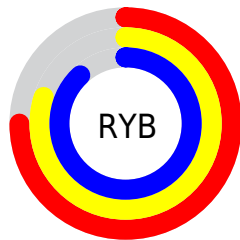
The Yxy color **64.5513, 0.2900, 0.3173** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.4258, 0.3384, 0.3404**, and the grayscale version is **63.2195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **32.9792, 0.2840, 0.3135** is the 20% darker color. If you saturate the color by 10%, you get **58.4888, 0.2747, 0.3084**, and if you desaturate by 10%, it is **71.2079, 0.3055, 0.3254**.

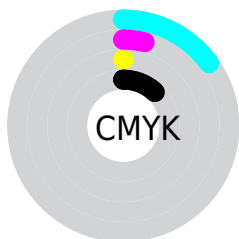
# Distribution



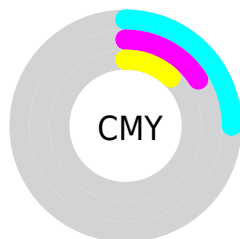
- Red (75%)
- Green (84%)
- Blue (88%)



- Red (75%)
- Yellow (80%)
- Blue (88%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)



- Cyan (25%)
- Magenta (16%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5513, 0.2900, 0.3173 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 64.5513, 0.2900, 0.3173 by changing the saturation by 10% instead.



■ 64.5513, 0.2900,  
0.3173

■ 64.5513, 0.2900,  
0.3173

441.1778, 0.3007,  
0.3229

■ 47.0973, 0.2875,  
0.3160

■ 111.4045, 0.2937,  
0.3193

■ 33.1126, 0.2844,  
0.3143

141.5726, 0.2952,  
0.3200

■ 22.2127, 0.2805,  
0.3121

176.7474, 0.2964,  
0.3207

■ 14.0133, 0.2753,  
0.3092

217.3135, 0.2975,  
0.3213

■ 8.1299, 0.2681,  
0.3051

263.6552, 0.2984,  
0.3218

■ 4.1782, 0.2575,  
0.2990

316.1569, 0.2993,

■ 1.7737, 0.2404,

0.3222

0.2885

375.2029, 0.3000,  
0.3226

0.4707, 0.1704,  
0.2582

0.0000, 0.0000,  
0.0000

64.5513, 0.2900,  
0.3173

64.5513, 0.2900,  
0.3173

58.4888, 0.2747,  
0.3084

71.2079, 0.3055,  
0.3254

52.9904, 0.2598,  
0.2987

78.4710, 0.3208,  
0.3328

48.0354, 0.2457,  
0.2883

85.7411, 0.3335,  
0.3394

43.5985, 0.2327,  
0.2773

89.7075, 0.3326,  
0.3460

■ 39.6517, 0.2213,  
0.2659

■ 93.8250, 0.3318,  
0.3526

■ 36.1638, 0.2116,  
0.2543

■ 98.0951, 0.3309,  
0.3590

■ 33.0990, 0.2039,  
0.2427

■ 98.1634, 0.3309,  
0.3591

■ 30.4136, 0.1983,  
0.2312

■ 29.1132, 0.1959,  
0.2252

# Harmonies

## Analogous

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



64.5513, 0.2928, 0.3273



64.5513, 0.2900, 0.3173



64.5513, 0.2931, 0.3107

# Triad

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



64.5513, 0.2900, 0.3173



64.5513, 0.3245, 0.3202



64.5513, 0.3238, 0.3497

# Complementary

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



64.5513, 0.2900, 0.3173



61.4258, 0.3384, 0.3404

# 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.



64.5513, 0.3326, 0.3473



64.5513, 0.2900, 0.3173



64.5513, 0.3330, 0.3302

# Square

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



64.5513, 0.2900, 0.3173



64.5513, 0.3129, 0.3126



64.5513, 0.3360, 0.3401



64.5513, 0.3122, 0.3463



# Rectangle

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



64.5513, 0.2900, 0.3173



64.5513, 0.2982, 0.3090



64.5513, 0.3360, 0.3401



64.5513, 0.3272, 0.3495

# Sweetspot

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



64.5540, 0.2900, 0.3173



96.1522, 0.3065, 0.3260



68.6228, 0.3046, 0.3561



20.4288, 0.3054, 0.3254



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

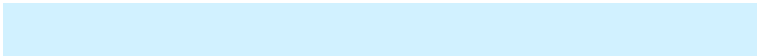


# Same Dimension

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



64.5540, 0.2900, 0.3173



83.7201, 0.2848, 0.3143



56.6888, 0.2893, 0.2978



14.8315, 0.2982, 0.3217



17.1527, 0.1964, 0.2270



1.3445, 0.2013, 0.2446



# Inverse Universe

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



57.9865, 0.3220, 0.3035



73.2629, 0.3245, 0.2974



69.4638, 0.3358, 0.3584



13.8609, 0.3184, 0.3128



10.6396, 0.4158, 0.2064

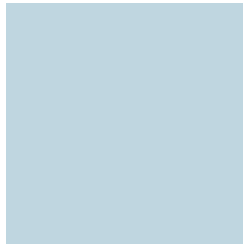


0.7532, 0.3977, 0.1964



# Previews

## White Background



This preview shows how the Yxy color 64.5513, 0.2900, 0.3173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

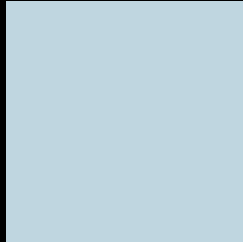
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.5513, 0.2900, 0.3173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

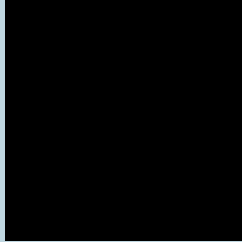
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

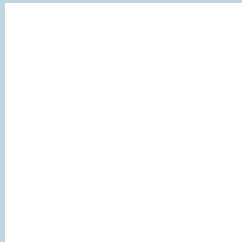
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.5513, 0.2900, 0.3173**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5513, 0.2900, 0.3173.

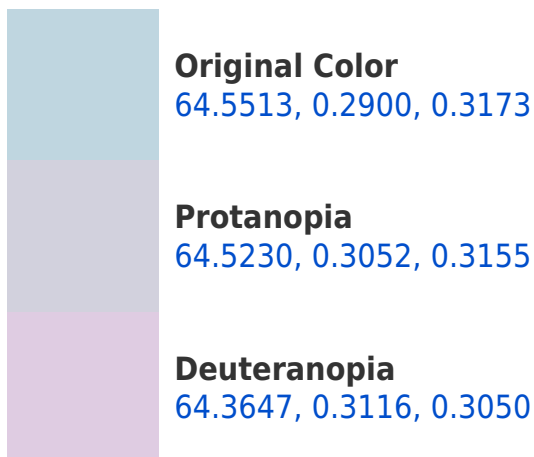


This preview shows how white text looks on a background with the Yxy color 64.5513, 0.2900, 0.3173.

# 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

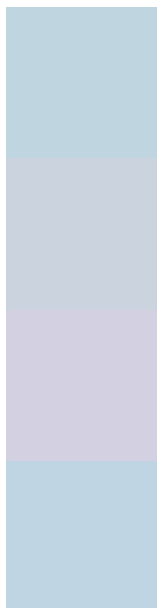




## Tritanopia

64.5081, 0.2869, 0.3094

# Trichromacy



## Original Color

64.5513, 0.2900, 0.3173

## Protanomaly

64.5590, 0.2995, 0.3164

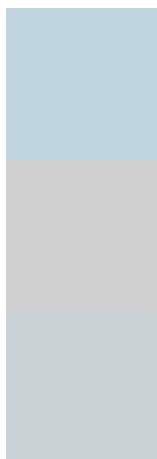
## Deuteranomaly

64.3969, 0.3033, 0.3100

## Tritanomaly

64.3964, 0.2881, 0.3117

# Monochromacy



## Original Color

64.5513, 0.2900, 0.3173

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.5048, 0.3041, 0.3244

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5513, 0.2900, 0.3173 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(191, 214, 224)` looks like.

```
.text, #text, p{  
    color:rgb(191, 214, 224)  
}
```

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(191, 214, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 214, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5513, 0.2900, 0.3173 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(191, 214, 224) }
```

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

```
.border{ border-color:rgb(191, 214, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 214, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 214, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 214, 224);  
box-shadow:4px 4px 4px 4px rgb(191, 214,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5513, 0.2900, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 214, 224) }
```

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

```
.background{ background-color: rgb(191,  
214, 224) }
```

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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