

# Converting Colors

$Yxy(60.6763, 0.2889, 0.3125)$

Have a look what the booklet for  
Yxy(60.6763, 0.2889, 0.3125)  
contains.

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# Color

**Yxy(60.4109, 0.2888, 0.3124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBCFDD
RGB	187, 207, 221
RGB Percent	73%, 81%, 87%
CMY	0.2669, 0.1882, 0.1334
CMYK	0.15, 0.06, 0.00, 0.13
HSL	205°, 33%, 80%
HSV	205°, 15%, 87%
XYZ	55.8472, 60.4109, 77.1187
YIQ	202.6160, -16.4140, 0.1140

# Conversions

## Conversions Part 2

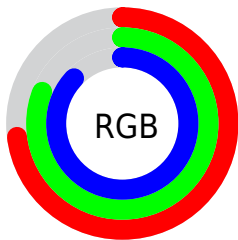
Format	Color
<b>RYB</b>	187, 200, 221
Decimal	12308445
CIELab	82.06, -3.89, -9.21
CIELCh	82, 9.996, 247.085
Yxy	60.4109, 0.2888, 0.3124
Android (android.graphics.Color)	4290498525 (0xFFBBCFDD)
YUV	202.6160, 9.0633, -13.6952
Hunter-Lab	77.7244, -7.7605, -4.4208

# Details

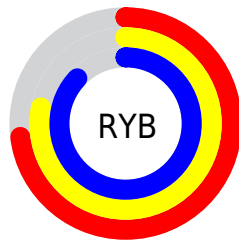
The Yxy color **60.4109, 0.2888, 0.3124** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.6953, 0.3391, 0.3451**, and the grayscale version is **59.4138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **30.5222, 0.2824, 0.3084** is the 20% darker color. If you saturate the color by 10%, you get **53.5674, 0.2730, 0.3002**, and if you desaturate by 10%, it is **67.9409, 0.3044, 0.3235**.

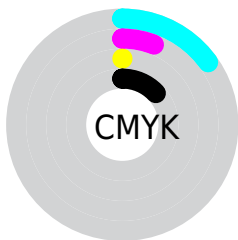
# Distribution



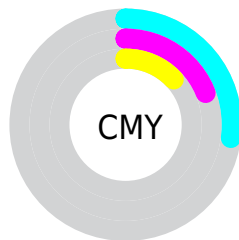
- Red (73%)
- Green (81%)
- Blue (87%)



- Red (73%)
- Yellow (78%)
- Blue (87%)



- Cyan (15%)
- Magenta (6%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (19%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4109, 0.2888, 0.3124 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 60.4109, 0.2888, 0.3124 by changing the saturation by 10% instead.



■ 60.4109, 0.2888,  
0.3124

■ 60.4109, 0.2888,  
0.3124

426.1107, 0.3002,  
0.3204

■ 43.7499, 0.2861,  
0.3105

■ 105.4255, 0.2928,  
0.3152

■ 30.4740, 0.2828,  
0.3081

134.5479, 0.2943,  
0.3163

■ 20.1986, 0.2785,  
0.3050

168.5929, 0.2957,  
0.3173

■ 12.5395, 0.2728,  
0.3008

207.9449, 0.2968,  
0.3181

■ 7.1122, 0.2648,  
0.2949

252.9883, 0.2978,  
0.3188

■ 3.5324, 0.2528,  
0.2858

304.1074, 0.2987,

■ 1.4156, 0.2330,

0.3194

0.2704

361.6868, 0.2995,  
0.3199

0.2282, 0.0981,  
0.1837

0.0000, 0.0000,  
0.0000

60.4109, 0.2888,  
0.3124

60.4109, 0.2888,  
0.3124

53.5674, 0.2730,  
0.3002

67.9409, 0.3044,  
0.3235

47.3791, 0.2573,  
0.2868

76.1722, 0.3196,  
0.3334

41.8231, 0.2421,  
0.2724

85.1286, 0.3343,  
0.3423

36.8721, 0.2279,  
0.2573

90.7649, 0.3343,  
0.3510

■ 32.4961, 0.2150,  
0.2415

■ 96.3388, 0.3331,  
0.3597

■ 28.6619, 0.2038,  
0.2254

■ 98.0002, 0.3328,  
0.3621

■ 25.3314, 0.1948,  
0.2095

■ 22.4588, 0.1879,  
0.1939

■ 21.2588, 0.1853,  
0.1869

# Harmonies

## Analogous

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



60.4109, 0.2889, 0.3218



60.4109, 0.2888, 0.3124



60.4109, 0.2950, 0.3076

# Triad

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



60.4109, 0.2888, 0.3124



60.4109, 0.3304, 0.3242



60.4109, 0.3192, 0.3506

# Complementary

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



60.4109, 0.2888, 0.3124



60.6953, 0.3391, 0.3451

# 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.



60.4109, 0.3305, 0.3508



60.4109, 0.2888, 0.3124



60.4109, 0.3371, 0.3354

# Square

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



60.4109, 0.2888, 0.3124



60.4109, 0.3189, 0.3145



60.4109, 0.3372, 0.3451



60.4109, 0.3063, 0.3442



# Rectangle

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



60.4109, 0.2888, 0.3124



60.4109, 0.3019, 0.3076



60.4109, 0.3372, 0.3451



60.4109, 0.3233, 0.3514

# Sweetspot

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



60.4134, 0.2888, 0.3124



94.3674, 0.3050, 0.3239



66.4650, 0.3021, 0.3533



20.0333, 0.3039, 0.3231



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

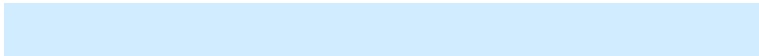


# Same Dimension

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



60.4134, 0.2888, 0.3124



80.8718, 0.2845, 0.3092



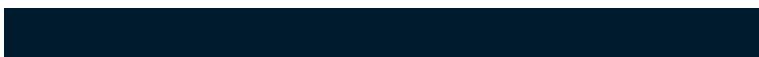
52.7591, 0.2880, 0.2921



13.8866, 0.2982, 0.3192



12.5784, 0.1859, 0.1893



0.9830, 0.1929, 0.2144



# Inverse Universe

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



55.3965, 0.3253, 0.3063



72.9753, 0.3279, 0.3021



68.8873, 0.3363, 0.3634



13.1797, 0.3200, 0.3153



9.8936, 0.4576, 0.2294

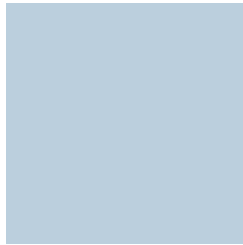


0.6579, 0.4293, 0.2139



# Previews

## White Background



This preview shows how the Yxy color 60.4109, 0.2888, 0.3124 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

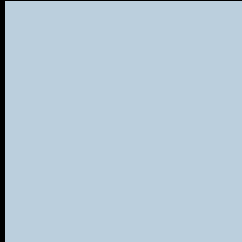
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.4109, 0.2888, 0.3124 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

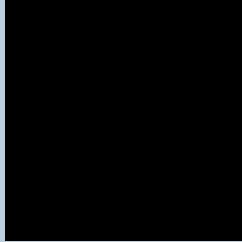
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

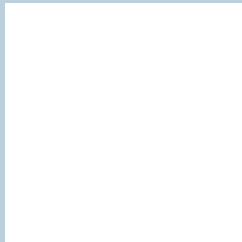
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.4109, 0.2888, 0.3124**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4109, 0.2888, 0.3124.



This preview shows how white text looks on a background with the Yxy color 60.4109, 0.2888, 0.3124.

# 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

60.4109, 0.2888, 0.3124

### Protanopia

60.4703, 0.3022, 0.3117

### Deuteranopia

60.1630, 0.3079, 0.3010



## Tritanopia

60.5182, 0.2876, 0.3101

# Trichromacy



## Original Color

60.4109, 0.2888, 0.3124

## Protanomaly

60.1705, 0.2972, 0.3115

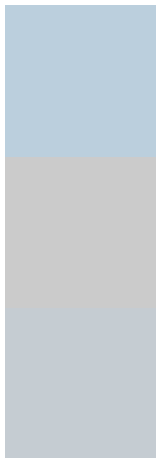
## Deuteranomaly

60.0264, 0.3010, 0.3049

## Tritanomaly

60.4644, 0.2882, 0.3112

# Monochromacy



## Original Color

60.4109, 0.2888, 0.3124

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

59.7092, 0.3033, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4109, 0.2888, 0.3124 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(187, 207, 221)` looks like.

```
.text, #text, p{  
    color:rgb(187, 207, 221)  
}
```

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(187, 207, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 207, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4109, 0.2888, 0.3124 is called "border". The border property can be set on classes, ids or directly on the HTML element.

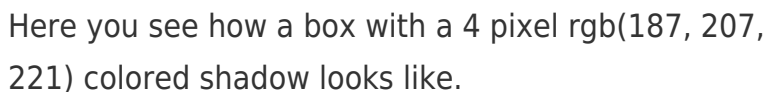
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 207, 221) }
```

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

```
.border{ border-color:rgb(187, 207, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 207, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 207, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 207, 221); box-shadow:4px 4px 4px 4px rgb(187, 207, 221) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4109, 0.2888, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 207, 221) }
```

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

```
.background{ background-color: rgb(187,  
207, 221) }
```

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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