

# Converting Colors

Yxy(54.2121, 0.2876, 0.2957)

Have a look what the booklet for  
Yxy(54.2121, 0.2876, 0.2957)  
contains.

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# Color

**Yxy(54.3688, 0.2882, 0.2966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBC2DD
RGB	187, 194, 221
RGB Percent	73%, 76%, 87%
CMY	0.2668, 0.2392, 0.1334
CMYK	0.15, 0.12, 0.00, 0.13
HSL	228°, 33%, 80%
HSV	228°, 15%, 87%
XYZ	52.8290, 54.3688, 76.1090
YIQ	194.9850, -12.8390, 6.9130

# Conversions

## Conversions Part 2

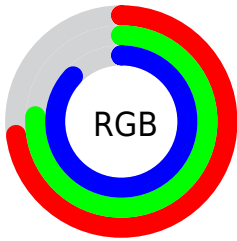
Format	Color
<b>RYB</b>	187, 193, 221
Decimal	12305117
CIELab	78.68, 3.01, -14.26
CIELCh	79, 14.576, 281.930
Yxy	54.3688, 0.2882, 0.2966
Android (android.graphics.Color)	4290495197 (0xFFBBC2DD)
YUV	194.9850, 12.8254, -7.0028
Hunter-Lab	73.7352, -1.1468, -9.5841

# Details

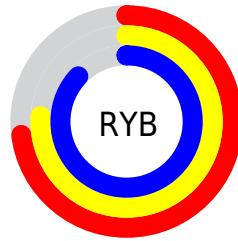
The Yxy color **54.3688, 0.2882, 0.2966** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.0213, 0.3369, 0.3594**, and the grayscale version is **54.4899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6459, 0.3055, 0.3241**, and **26.5777, 0.2821, 0.2873** is the 20% darker color. If you saturate the color by 10%, you get **44.4499, 0.2705, 0.2723**, and if you desaturate by 10%, it is **65.6406, 0.3045, 0.3183**.

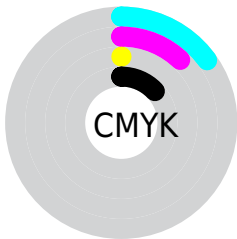
# Distribution



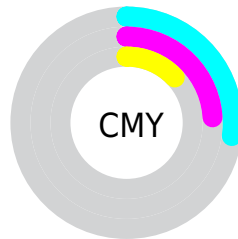
- Red (73%)
- Green (76%)
- Blue (87%)



- Red (73%)
- Yellow (76%)
- Blue (87%)



- Cyan (15%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (24%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3688, 0.2882, 0.2966 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 54.3688, 0.2882, 0.2966 by changing the saturation by 10% instead.



■ 54.3688, 0.2882,  
0.2966

■ 54.3688, 0.2882,  
0.2966

403.5148, 0.3001,  
0.3122

■ 38.8966, 0.2853,  
0.2929

■ 96.6155, 0.2925,  
0.3021

■ 26.6793, 0.2817,  
0.2882

124.1588, 0.2941,  
0.3042

■ 17.3325, 0.2770,  
0.2822

156.4946, 0.2955,  
0.3061

■ 10.4718, 0.2706,  
0.2741

194.0073, 0.2966,  
0.3076

■ 5.7129, 0.2615,  
0.2626

237.0813, 0.2977,  
0.3090

■ 2.6713, 0.2475,  
0.2452

286.1009, 0.2986,

■ 0.9626, 0.2235,

0.3102

0.2162

341.4506, 0.2994,  
0.3112

0.0000, 0.0000,  
0.0000

54.3688, 0.2882,  
0.2966

54.3688, 0.2882,  
0.2966

44.4499, 0.2705,  
0.2723

65.6406, 0.3045,  
0.3183

35.8259, 0.2517,  
0.2455

78.3072, 0.3194,  
0.3375

28.4443, 0.2323,  
0.2168

92.4168, 0.3327,  
0.3543

22.2463, 0.2131,  
0.1870

98.0000, 0.3328,  
0.3621

17.1684, 0.1950,  
0.1575

■ 13.1406, 0.1793,  
0.1298

■ 10.0846, 0.1668,  
0.1056

■ 7.9095, 0.1582,  
0.0864

■ 7.1566, 0.1554,  
0.0793

# Harmonies

## Analogous

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



54.3688, 0.2777, 0.3022



54.3688, 0.2882, 0.2966



54.3688, 0.3054, 0.2993

# Triad

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



54.3688, 0.2882, 0.2966



54.3688, 0.3505, 0.3409



54.3688, 0.2999, 0.3499

# Complementary

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



54.3688, 0.2882, 0.2966



67.0213, 0.3369, 0.3594

# 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.



54.3688, 0.3191, 0.3610



54.3688, 0.2882, 0.2966



54.3688, 0.3488, 0.3550

# Square

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



54.3688, 0.2882, 0.2966



54.3688, 0.3417, 0.3243



54.3688, 0.3371, 0.3627



54.3688, 0.2843, 0.3328



# Rectangle

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



54.3688, 0.2882, 0.2966



54.3688, 0.3185, 0.3053



54.3688, 0.3371, 0.3627



54.3688, 0.3061, 0.3545

# Sweetspot

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



54.3711, 0.2882, 0.2966



91.3805, 0.3051, 0.3191



67.1042, 0.2940, 0.3376



19.3084, 0.3040, 0.3176



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.



54.3711, 0.2882, 0.2966



71.2486, 0.2835, 0.2902



52.5642, 0.2952, 0.2888



13.0520, 0.2981, 0.3099



4.2895, 0.1560, 0.0815



0.4029, 0.1643, 0.1113



# Inverse Universe

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



54.7933, 0.3358, 0.3210



72.0039, 0.3407, 0.3194



69.1951, 0.3285, 0.3679



13.0954, 0.3259, 0.3242



9.0568, 0.6046, 0.3104

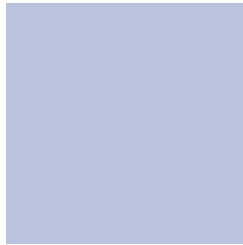


0.5994, 0.5591, 0.2853



# Previews

## White Background



This preview shows how the Yxy color 54.3688, 0.2882, 0.2966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

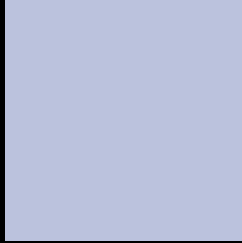
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.3688, 0.2882, 0.2966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

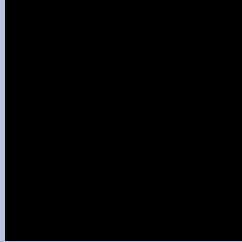
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.3688, 0.2882, 0.2966**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.3688, 0.2882, 0.2966.

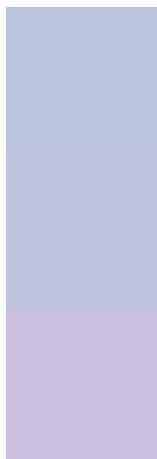


This preview shows how white text looks on a background with the Yxy color 54.3688, 0.2882, 0.2966.

# 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

54.3688, 0.2882, 0.2966

### Protanopia

54.2544, 0.2911, 0.2967

### Deuteranopia

54.5183, 0.2979, 0.2917



## Tritanopia

54.4973, 0.2936, 0.3106

# Trichromacy



## Original Color

54.3688, 0.2882, 0.2966

## Protanomaly

54.1261, 0.2903, 0.2966

## Deuteranomaly

54.2713, 0.2941, 0.2925

## Tritanomaly

54.3756, 0.2916, 0.3047

# Monochromacy



## Original Color

54.3688, 0.2882, 0.2966

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.5963, 0.3038, 0.3180

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.3688, 0.2882, 0.2966 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, 194, 221)` looks like.

```
.text, #text, p{  
    color:rgb(187, 194, 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, 194, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 194, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 54.3688, 0.2882, 0.2966 is called "border". The border property can be set on classes, ids or directly on the HTML element.

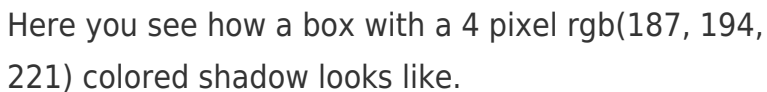
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 194, 221) }
```

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

```
.border{ border-color:rgb(187, 194, 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, 194, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 194, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 194, 221); box-shadow:4px 4px 4px 4px rgb(187, 194, 221) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.3688, 0.2882, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 194, 221) }
```

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

```
.background{ background-color: rgb(187,  
194, 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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