

# Converting Colors

$Y_{xy}(53.0215, 0.2905, 0.2920)$

Have a look what the booklet for  
Yxy(53.0215, 0.2905, 0.2920)  
contains.

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# Color

**Yxy(52.9945, 0.2903, 0.2919)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEBEDD
RGB	190, 190, 221
RGB Percent	75%, 75%, 87%
CMY	0.2548, 0.2549, 0.1334
CMYK	0.14, 0.14, 0.00, 0.13
HSL	240°, 31%, 81%
HSV	240°, 14%, 87%
XYZ	52.7040, 52.9945, 75.8517
YIQ	193.5340, -9.9510, 9.6410

# Conversions

## Conversions Part 2

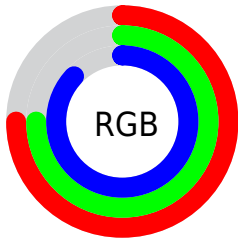
Format	Color
R <sub>Y</sub> B	190, 190, 221
Decimal	12500701
CIE Lab	77.87, 6.16, -15.45
CIE LCh	78, 16.629, 291.729
Yxy	52.9945, 0.2903, 0.2919
Android (android.graphics.Color)	4290690781 (0xFFBEBEDD)
YUV	193.5340, 13.5407, -3.0993
Hunter-Lab	72.7973, 1.8356, -10.8195

# Details

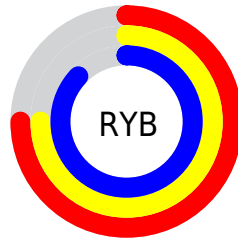
The Yxy color **52.9945, 0.2903, 0.2919** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.7923, 0.3336, 0.3636**, and the grayscale version is **53.5854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7244, 0.3074, 0.3202**, and **25.8787, 0.2838, 0.2826** is the 20% darker color. If you saturate the color by 10%, you get **41.5074, 0.2718, 0.2614**, and if you desaturate by 10%, it is **66.3680, 0.3067, 0.3191**.

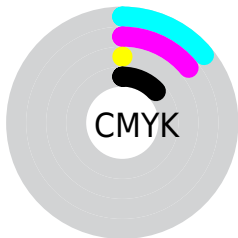
# Distribution



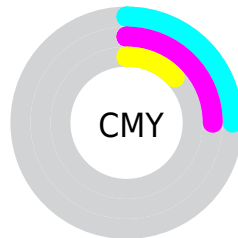
- Red (75%)
- Green (75%)
- Blue (87%)



- Red (75%)
- Yellow (75%)
- Blue (87%)



- Cyan (14%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (25%)
- Magenta (25%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9945, 0.2903, 0.2919 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 52.9945, 0.2903, 0.2919 by changing the saturation by 10% instead.



■ 52.9945, 0.2903,  
0.2919

■ 52.9945, 0.2903,  
0.2919

398.2640, 0.3013,  
0.3097

■ 37.7984, 0.2876,  
0.2877

■ 94.5963, 0.2942,  
0.2982

■ 25.8262, 0.2842,  
0.2824

121.7707, 0.2957,  
0.3006

■ 16.6937, 0.2798,  
0.2755

153.7067, 0.2970,  
0.3027

■ 10.0163, 0.2738,  
0.2663

190.7887, 0.2981,  
0.3045

■ 5.4098, 0.2650,  
0.2533

233.4010, 0.2991,  
0.3060

■ 2.4897, 0.2515,  
0.2338

281.9281, 0.2999,

■ 0.8715, 0.2279,

0.3074

0.2014

336.7543, 0.3006,  
0.3086

0.0000, 0.0000,  
0.0000

52.9945, 0.2903,  
0.2919

52.9945, 0.2903,  
0.2919

41.5074, 0.2718,  
0.2614

66.3680, 0.3067,  
0.3191

31.8156, 0.2516,  
0.2278

81.7003, 0.3210,  
0.3428

23.8305, 0.2302,  
0.1924

98.0001, 0.3328,  
0.3621

17.4532, 0.2087,  
0.1569

12.5748, 0.1887,  
0.1238

■ 9.0730, 0.1718,  
0.0959

■ 6.8061, 0.1594,  
0.0755

■ 5.6019, 0.1524,  
0.0638

■ 5.2216, 0.1500,  
0.0600

# Harmonies

## Analogous

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



52.9945, 0.2755, 0.2950



52.9945, 0.2903, 0.2919



52.9945, 0.3116, 0.2980

# Triad

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



52.9945, 0.2903, 0.2919



52.9945, 0.3570, 0.3483



52.9945, 0.2913, 0.3472

# Complementary

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



52.9945, 0.2903, 0.2919



70.7923, 0.3336, 0.3636

# 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.



52.9945, 0.3126, 0.3629



52.9945, 0.2903, 0.2919



52.9945, 0.3509, 0.3627

# Square

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



52.9945, 0.2903, 0.2919



52.9945, 0.3507, 0.3297



52.9945, 0.3345, 0.3685



52.9945, 0.2761, 0.3264



# Rectangle

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



52.9945, 0.2903, 0.2919



52.9945, 0.3267, 0.3064



52.9945, 0.3345, 0.3685



52.9945, 0.2980, 0.3533

# Sweetspot

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



52.9967, 0.2903, 0.2919



91.7823, 0.3067, 0.3190



67.8758, 0.2914, 0.3289



19.3250, 0.3055, 0.3171



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.



52.9967, 0.2903, 0.2919



68.0840, 0.2848, 0.2828



55.0953, 0.3021, 0.2932



12.6179, 0.2981, 0.3048



3.0338, 0.1501, 0.0600



0.1968, 0.1502, 0.0601



# Inverse Universe

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



57.4149, 0.3144, 0.2946



75.3892, 0.3147, 0.2868



68.4761, 0.3222, 0.3649



13.2746, 0.3138, 0.3060



11.9554, 0.3212, 0.1543

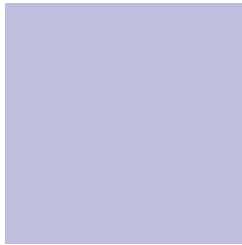


0.7746, 0.3211, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 52.9945, 0.2903, 0.2919 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

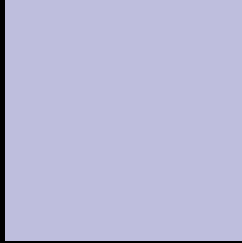
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.9945, 0.2903, 0.2919 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

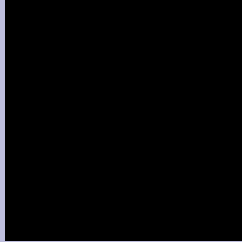
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.9945, 0.2903, 0.2919**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.9945, 0.2903, 0.2919.



This preview shows how white text looks on a background with the Yxy color 52.9945, 0.2903, 0.2919.

# 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

52.9945, 0.2903, 0.2919

### Protanopia

53.1003, 0.2874, 0.2917

### Deuteranopia

53.0572, 0.2955, 0.2901



## Tritanopia

52.9447, 0.2979, 0.3094

# Trichromacy



## Original Color

52.9945, 0.2903, 0.2919

## Protanomaly

53.2269, 0.2881, 0.2918

## Deuteranomaly

53.0850, 0.2933, 0.2910

## Tritanomaly

52.8845, 0.2951, 0.3023

# Monochromacy



## Original Color

52.9945, 0.2903, 0.2919

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

53.8370, 0.3046, 0.3156

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.9945, 0.2903, 0.2919 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(190, 190, 221)` looks like.

```
.text, #text, p{  
    color:rgb(190, 190, 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(190, 190, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 190, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 52.9945, 0.2903, 0.2919 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(190, 190, 221) }
```

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

```
.border{ border-color:rgb(190, 190, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 190, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 190, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 190, 221);  
box-shadow:4px 4px 4px 4px rgb(190, 190,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.9945, 0.2903, 0.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 190, 221) }
```

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

```
.background{ background-color: rgb(190,  
190, 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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