

# Converting Colors

$Y_{xy}(53.7731, 0.2970, 0.2970)$

Have a look what the booklet for  
Yxy(53.7731, 0.2970, 0.2970)  
contains.

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# Color

**Yxy(54.0071, 0.2976, 0.2981)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4BFD9
RGB	196, 191, 217
RGB Percent	77%, 75%, 85%
CMY	0.2315, 0.2509, 0.1489
CMYK	0.10, 0.12, 0.00, 0.15
HSL	251°, 26%, 80%
HSV	251°, 12%, 85%
XYZ	53.9165, 54.0071, 73.2475
YIQ	195.4590, -5.3660, 9.1460

# Conversions

## Conversions Part 2

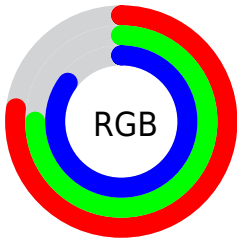
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 191, 217
Decimal	12894169
CIE Lab	78.47, 6.72, -12.37
CIE LCh	78, 14.079, 298.518
Yxy	54.0071, 0.2976, 0.2981
Android (android.graphics.Color)	4291084249 (0xFFC4BFD9)
YUV	195.4590, 10.6197, 0.4745
Hunter-Lab	73.4895, 2.3521, -7.6520

# Details

The Yxy color **54.0071, 0.2976, 0.2981** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **67.4108, 0.3268, 0.3588**, and the grayscale version is **54.7985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6242, 0.3118, 0.3213**, and **26.5364, 0.2935, 0.2910** is the 20% darker color. If you saturate the color by 10%, you get **43.0145, 0.2830, 0.2691**, and if you desaturate by 10%, it is **66.6827, 0.3104, 0.3242**.

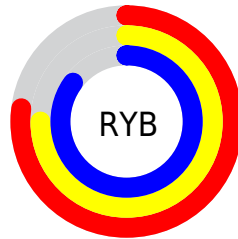
# Distribution



Red (77%)

Green (75%)

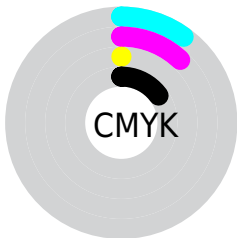
Blue (85%)



Red (77%)

Yellow (75%)

Blue (85%)

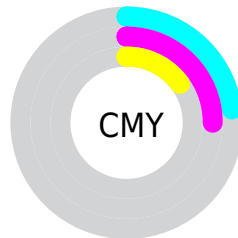


Cyan (10%)

Magenta (12%)

Yellow (0%)

Black (15%)



Cyan (23%)

Magenta (25%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0071, 0.2976, 0.2981 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 54.0071, 0.2976, 0.2981 by changing the saturation by 10% instead.



■ 54.0071, 0.2976,  
0.2981

■ 54.0071, 0.2976,  
0.2981

402.1371, 0.3050,  
0.3129

■ 38.6073, 0.2958,  
0.2946

■ 96.0847, 0.3003,  
0.3033

■ 26.4544, 0.2935,  
0.2902

123.5313, 0.3013,  
0.3054

■ 17.1639, 0.2905,  
0.2845

155.7623, 0.3021,  
0.3071

■ 10.3514, 0.2863,  
0.2768

193.1621, 0.3029,  
0.3086

■ 5.6326, 0.2804,  
0.2660

236.1150, 0.3035,  
0.3099

■ 2.6230, 0.2710,  
0.2496

285.0056, 0.3041,

■ 0.9382, 0.2543,

0.3110

0.2223

340.2182, 0.3046,  
0.3120

0.0000, 0.0039,  
0.0000

0.0000, 0.0000,  
0.0000

54.0071, 0.2976,  
0.2981

54.0071, 0.2976,  
0.2981

43.0145, 0.2830,  
0.2691

66.6827, 0.3104,  
0.3242

33.6271, 0.2665,  
0.2376

81.1012, 0.3214,  
0.3473

25.7712, 0.2486,  
0.2044

96.6110, 0.3310,  
0.3666

19.3646, 0.2297,  
0.1707

97.7913, 0.3351,  
0.3661

■ 14.3171, 0.2107,  
0.1385

■ 10.5285, 0.1928,  
0.1100

■ 7.8843, 0.1774,  
0.0874

■ 6.2485, 0.1653,  
0.0721

■ 5.4898, 0.1584,  
0.0646

# Harmonies

## Analogous

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



54.0071, 0.2835, 0.2990



54.0071, 0.2976, 0.2981



54.0071, 0.3162, 0.3049

# Triad

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



54.0071, 0.2976, 0.2981



54.0071, 0.3497, 0.3486



54.0071, 0.2912, 0.3405

# Complementary

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



54.0071, 0.2976, 0.2981



67.4108, 0.3268, 0.3588

# 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.



54.0071, 0.3085, 0.3550



54.0071, 0.2976, 0.2981



54.0071, 0.3424, 0.3593

# Square

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



54.0071, 0.2976, 0.2981



54.0071, 0.3467, 0.3334



54.0071, 0.3272, 0.3619



54.0071, 0.2799, 0.3230



# Rectangle

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



54.0071, 0.2976, 0.2981



54.0071, 0.3286, 0.3129



54.0071, 0.3272, 0.3619



54.0071, 0.2965, 0.3459

# Sweetspot

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



54.0094, 0.2976, 0.2981



92.1314, 0.3079, 0.3191



63.3059, 0.2943, 0.3234



19.4129, 0.3070, 0.3172



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.



54.0094, 0.2976, 0.2981



74.2248, 0.2946, 0.2921



55.8026, 0.3076, 0.2990



12.7360, 0.3010, 0.3050



3.3565, 0.1594, 0.0651



0.2529, 0.1743, 0.0734



# Inverse Universe

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



56.7800, 0.3178, 0.3051



78.8694, 0.3188, 0.3007



65.5793, 0.3173, 0.3597



13.2301, 0.3167, 0.3103



10.8342, 0.3756, 0.1843



0.7131, 0.3651, 0.1785



# Previews

## White Background



This preview shows how the Yxy color 54.0071, 0.2976, 0.2981 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

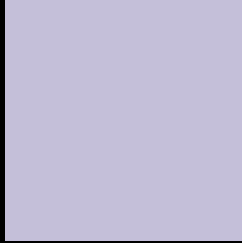
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.0071, 0.2976, 0.2981 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

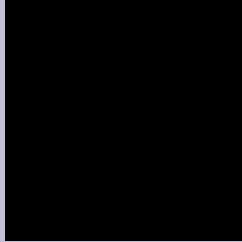
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

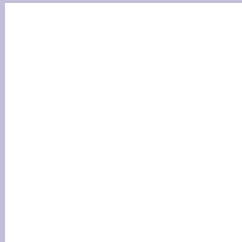
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.0071, 0.2976, 0.2981**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.0071, 0.2976, 0.2981.



This preview shows how white text looks on a background with the Yxy color 54.0071, 0.2976, 0.2981.

# 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

54.0071, 0.2976, 0.2981

### Protanopia

54.1490, 0.2924, 0.2990

### Deuteranopia

53.9615, 0.3023, 0.2962



## Tritanopia

54.1633, 0.3025, 0.3109

# Trichromacy



## Original Color

54.0071, 0.2976, 0.2981

## Protanomaly

53.9677, 0.2939, 0.2979

## Deuteranomaly

54.1160, 0.3007, 0.2972

## Tritanomaly

54.0045, 0.3011, 0.3062

# Monochromacy



## Original Color

54.0071, 0.2976, 0.2981

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.4975, 0.3069, 0.3181

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.0071, 0.2976, 0.2981 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(196, 191, 217)` looks like.

```
.text, #text, p{  
    color:rgb(196, 191, 217)  
}
```

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(196, 191, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 191, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0071, 0.2976, 0.2981 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(196, 191, 217) }
```

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

```
.border{ border-color:rgb(196, 191, 217) }
```

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

Here you see how a box with a 4 pixel rgb(196, 191, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 191, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 191, 217);  
box-shadow:4px 4px 4px 4px rgb(196, 191,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.0071, 0.2976, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 191, 217) }
```

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

```
.background{ background-color: rgb(196,  
191, 217) }
```

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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