

# Converting Colors

$Y_{xy}(55.1984, 0.2743, 0.2841)$

Have a look what the booklet for  
Yxy(55.1984, 0.2743, 0.2841)  
contains.

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# Color

**Yxy(55.0041, 0.2744, 0.2838)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B3C4EA
RGB	179, 196, 234
RGB Percent	70%, 77%, 92%
CMY	0.2979, 0.2314, 0.0825
CMYK	0.23, 0.16, 0.00, 0.08
HSL	221°, 57%, 81%
HSV	221°, 23%, 92%
XYZ	53.1823, 55.0041, 85.6265
YIQ	195.2490, -22.3300, 8.2140

# Conversions

## Conversions Part 2

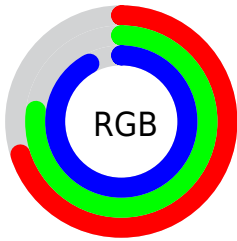
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	179, 192, 234
Decimal	11781354
CIE Lab	79.04, 2.34, -20.74
CIE LCh	79, 20.870, 276.449
Yxy	55.0041, 0.2744, 0.2838
Android (android.graphics.Color)	4289971434 (0xFFB3C4EA)
YUV	195.2490, 19.1042, -14.2504
Hunter-Lab	74.1647, -1.7890, -16.5376

# Details

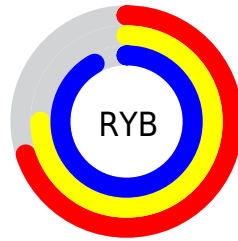
The Yxy color **55.0041, 0.2744, 0.2838** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.3645, 0.3520, 0.3704**, and the grayscale version is **54.6265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1327, 0.3005, 0.3270**, and **26.9203, 0.2642, 0.2719** is the 20% darker color. If you saturate the color by 10%, you get **45.5449, 0.2565, 0.2609**, and if you desaturate by 10%, it is **65.7268, 0.2915, 0.3045**.

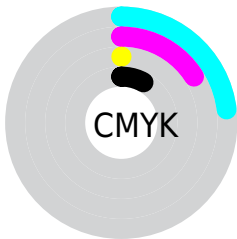
# Distribution



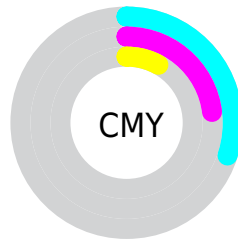
- Red (70%)
- Green (77%)
- Blue (92%)



- Red (70%)
- Yellow (75%)
- Blue (92%)



- Cyan (23%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)



- Cyan (30%)
- Magenta (23%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0041, 0.2744, 0.2838 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 55.0041, 0.2744, 0.2838 by changing the saturation by 10% instead.



■ 55.0041, 0.2744,  
0.2838

■ 55.0041, 0.2744,  
0.2838

405.9275, 0.2929,  
0.3054

■ 39.4050, 0.2700,  
0.2787

■ 97.5470, 0.2809,  
0.2914

■ 27.0749, 0.2645,  
0.2723

125.2595, 0.2835,  
0.2944

■ 17.6295, 0.2574,  
0.2641

157.7787, 0.2856,  
0.2969

■ 10.6843, 0.2479,  
0.2532

195.4889, 0.2874,  
0.2990

■ 5.8550, 0.2346,  
0.2381

238.7744, 0.2891,  
0.3009

■ 2.7571, 0.2148,  
0.2158

288.0198, 0.2905,

■ 1.0063, 0.1828,

0.3026

0.1803

343.6093, 0.2917,  
0.3041

0.0000, 0.0000,  
0.0000

55.0041, 0.2744,  
0.2838

55.0041, 0.2744,  
0.2838

45.5449, 0.2565,  
0.2609

65.7268, 0.2915,  
0.3045

37.2940, 0.2382,  
0.2361

77.7522, 0.3074,  
0.3231

30.2014, 0.2200,  
0.2100

91.1259, 0.3222,  
0.3394

24.2110, 0.2029,  
0.1833

98.7184, 0.3250,  
0.3493

19.2616, 0.1875,  
0.1572

■ 15.2845, 0.1749,  
0.1328

■ 12.2011, 0.1655,  
0.1114

■ 10.6087, 0.1610,  
0.0994

# Harmonies

## Analogous

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



55.0041, 0.2620, 0.2933



55.0041, 0.2744, 0.2838



55.0041, 0.2971, 0.2859

# Triad

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



55.0041, 0.2744, 0.2838



55.0041, 0.3657, 0.3411



55.0041, 0.2990, 0.3631

# Complementary

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



55.0041, 0.2744, 0.2838



70.3645, 0.3520, 0.3704

# 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.



55.0041, 0.3266, 0.3768



55.0041, 0.2744, 0.2838



55.0041, 0.3658, 0.3623

# Square

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



55.0041, 0.2744, 0.2838



55.0041, 0.3505, 0.3180



55.0041, 0.3512, 0.3760



55.0041, 0.2757, 0.3390



# Rectangle

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



55.0041, 0.2744, 0.2838



55.0041, 0.3156, 0.2931



55.0041, 0.3512, 0.3760



55.0041, 0.3080, 0.3691

# Sweetspot

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



55.0063, 0.2744, 0.2838



89.1507, 0.3019, 0.3167



73.3991, 0.2877, 0.3492



18.8898, 0.3009, 0.3156



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.



55.0063, 0.2744, 0.2838



61.3385, 0.2661, 0.2734



49.0235, 0.2802, 0.2642



15.3079, 0.2980, 0.3122



6.1598, 0.1617, 0.1021



0.6490, 0.1693, 0.1295



# Inverse Universe

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



53.7248, 0.3465, 0.3102



59.8146, 0.3554, 0.3063



77.9103, 0.3408, 0.3890



15.1307, 0.3244, 0.3217



10.1146, 0.5727, 0.2929

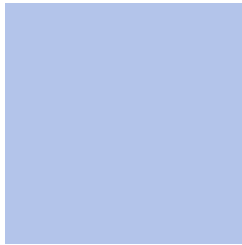


0.8109, 0.5334, 0.2712



# Previews

## White Background



This preview shows how the Yxy color 55.0041, 0.2744, 0.2838 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

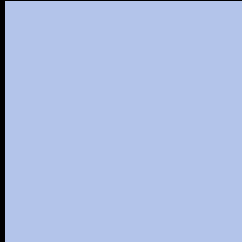
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.0041, 0.2744, 0.2838 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

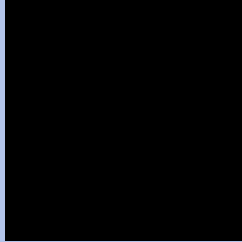
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

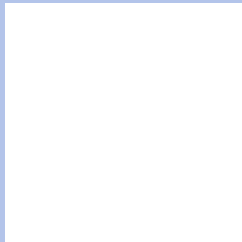
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.0041, 0.2744, 0.2838**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.0041, 0.2744, 0.2838.



This preview shows how white text looks on a background with the Yxy color 55.0041, 0.2744, 0.2838.

# 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

55.0041, 0.2744, 0.2838

### Protanopia

54.9746, 0.2810, 0.2842

### Deuteranopia

54.8619, 0.2846, 0.2782



## Tritanopia

54.8671, 0.2838, 0.3092

# Trichromacy



## Original Color

55.0041, 0.2744, 0.2838

## Protanomaly

55.1038, 0.2783, 0.2841

## Deuteranomaly

54.9569, 0.2804, 0.2799

## Tritanomaly

54.8922, 0.2800, 0.2997

# Monochromacy



## Original Color

55.0041, 0.2744, 0.2838

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.4525, 0.2980, 0.3120

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.0041, 0.2744, 0.2838 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(179, 196, 234)` looks like.

```
.text, #text, p{  
    color:rgb(179, 196, 234)  
}
```

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(179, 196, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 196, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 55.0041, 0.2744, 0.2838 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(179, 196, 234) }
```

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

```
.border{ border-color:rgb(179, 196, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 196, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 196, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 196, 234);  
box-shadow:4px 4px 4px 4px rgb(179, 196,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.0041, 0.2744, 0.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 196, 234) }
```

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

```
.background{ background-color: rgb(179,  
196, 234) }
```

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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