

# Converting Colors

$Y_{xy}(55.5006, 0.2966, 0.3116)$

Have a look what the booklet for  
Yxy(55.5006, 0.2966, 0.3116)  
contains.

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# Color

**Yxy(55.4545, 0.2966, 0.3120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDC5D3
RGB	189, 197, 211
RGB Percent	74%, 77%, 83%
CMY	0.2587, 0.2275, 0.1725
CMYK	0.10, 0.07, 0.00, 0.17
HSL	218°, 20%, 78%
HSV	218°, 10%, 83%
XYZ	52.7173, 55.4545, 69.5670
YIQ	196.2040, -9.2620, 2.6580

# Conversions

## Conversions Part 2

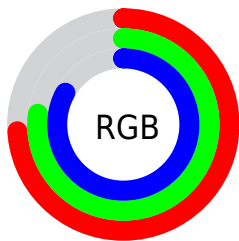
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 195, 211
Decimal	12436947
CIE <sub>Lab</sub>	79.30, 0.02, -7.94
CIE <sub>LCh</sub>	79, 7.943, 270.178
Yxy	55.4545, 0.2966, 0.3120
Android (android.graphics.Color)	4290627027 (0xFFBDC5D3)
YUV	196.2040, 7.2944, -6.3179
Hunter-Lab	74.4678, -3.9547, -3.2606

# Details

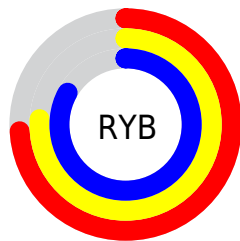
The Yxy color `55.4545, 0.2966, 0.3120` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `60.2655, 0.3292, 0.3454`, and the grayscale version is `55.2944, 0.3127, 0.3290`.

A 20% lighter version of the original color is `97.5161, 0.3066, 0.3280`, and `27.3135, 0.2923, 0.3063` is the 20% darker color. If you saturate the color by 10%, you get `47.1096, 0.2801, 0.2937`, and if you desaturate by 10%, it is `64.7424, 0.3121, 0.3284`.

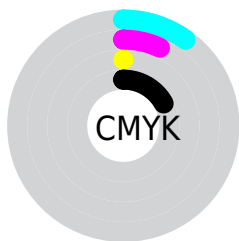
# Distribution



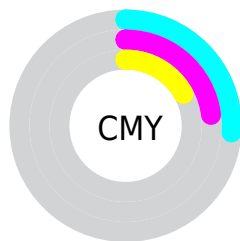
- Red (74%)
- Green (77%)
- Blue (83%)



- Red (74%)
- Yellow (76%)
- Blue (83%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)



- Cyan (26%)
- Magenta (23%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4545, 0.2966, 0.3120 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 55.4545, 0.2966, 0.3120 by changing the saturation by 10% instead.



■ 55.4545, 0.2966,  
0.3120

■ 55.4545, 0.2966,  
0.3120

407.6325, 0.3044,  
0.3202

■ 39.7657, 0.2947,  
0.3100

■ 98.2065, 0.2994,  
0.3149

■ 27.3559, 0.2924,  
0.3075

126.0386, 0.3004,  
0.3161

■ 17.8407, 0.2893,  
0.3043

158.6872, 0.3013,  
0.3170

■ 10.8357, 0.2851,  
0.2998

196.5368, 0.3021,  
0.3178

■ 5.9565, 0.2791,  
0.2935

239.9717, 0.3028,  
0.3186

■ 2.8186, 0.2698,  
0.2838

289.3764, 0.3034,

■ 1.0378, 0.2537,

0.3192

0.2667

345.1352, 0.3039,  
0.3197

0.0000, 0.0000,  
0.0000

55.4545, 0.2966,  
0.3120

55.4545, 0.2966,  
0.3120

47.1096, 0.2801,  
0.2937

64.7424, 0.3121,  
0.3284

39.6697, 0.2629,  
0.2734

74.9958, 0.3265,  
0.3428

33.1041, 0.2453,  
0.2513

86.2452, 0.3397,  
0.3555

27.3778, 0.2278,  
0.2277

94.8516, 0.3394,  
0.3682

22.4531, 0.2110,  
0.2032

97.4843, 0.3387,  
0.3720

■ 18.2890, 0.1957,  
0.1785

■ 14.8400, 0.1826,  
0.1547

■ 12.0545, 0.1723,  
0.1327

■ 9.9336, 0.1650,  
0.1140

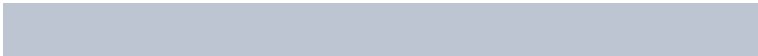
# Harmonies

## Analogous

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



55.4545, 0.2927, 0.3170



55.4545, 0.2966, 0.3120



55.4545, 0.3049, 0.3116

# Triad

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



55.4545, 0.2966, 0.3120



55.4545, 0.3318, 0.3322



55.4545, 0.3099, 0.3430

# Complementary

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



55.4545, 0.2966, 0.3120



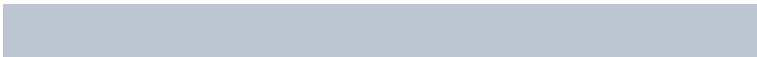
60.2655, 0.3292, 0.3454

# 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.



55.4545, 0.3204, 0.3471



55.4545, 0.2966, 0.3120



55.4545, 0.3332, 0.3406

# Square

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



55.4545, 0.2966, 0.3120



55.4545, 0.3253, 0.3231



55.4545, 0.3290, 0.3462



55.4545, 0.3002, 0.3349



# Rectangle

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



55.4545, 0.2966, 0.3120



55.4545, 0.3118, 0.3138



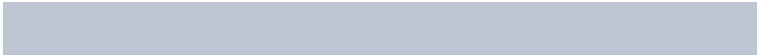
55.4545, 0.3290, 0.3462



55.4545, 0.3134, 0.3449

# Sweetspot

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



55.4568, 0.2966, 0.3120



95.5043, 0.3081, 0.3243



61.7317, 0.3021, 0.3387



20.1896, 0.3069, 0.3230



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

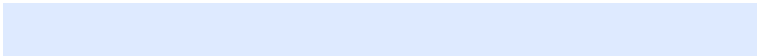


# Same Dimension

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



55.4568, 0.2966, 0.3120



81.4906, 0.2922, 0.3072



52.3128, 0.2988, 0.3024



12.1087, 0.2982, 0.3138



6.1718, 0.1658, 0.1168



0.4941, 0.1762, 0.1542



# Inverse Universe

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



54.2904, 0.3247, 0.3197



79.3552, 0.3283, 0.3171



63.6977, 0.3259, 0.3547



11.8780, 0.3234, 0.3206



8.6943, 0.5512, 0.2810

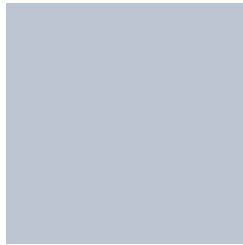


0.5012, 0.5004, 0.2531



# Previews

## White Background



This preview shows how the Yxy color 55.4545, 0.2966, 0.3120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

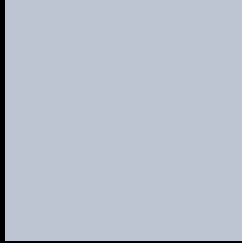
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.4545, 0.2966, 0.3120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

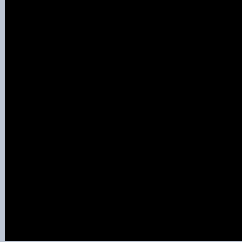
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

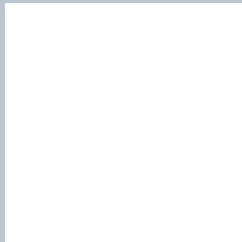
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.4545, 0.2966, 0.3120**

## Background



This preview shows how black text looks on a background with the Yxy color 55.4545, 0.2966, 0.3120.

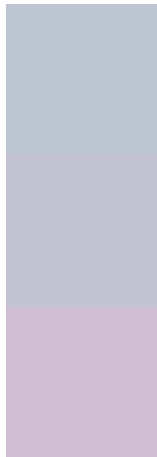


This preview shows how white text looks on a background with the Yxy color 55.4545, 0.2966, 0.3120.

# 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

55.4545, 0.2966, 0.3120

### Protanopia

55.4191, 0.3026, 0.3111

### Deuteranopia

55.4250, 0.3107, 0.3046



## Tritanopia

55.5048, 0.2959, 0.3109

# Trichromacy



## Original Color

55.4545, 0.2966, 0.3120

## Protanomaly

55.4705, 0.3003, 0.3122

## Deuteranomaly

55.3109, 0.3051, 0.3066

## Tritanomaly

55.5048, 0.2959, 0.3109

# Monochromacy



## Original Color

55.4545, 0.2966, 0.3120

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

55.0344, 0.3067, 0.3229

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.4545, 0.2966, 0.3120 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(189, 197, 211)` looks like.

```
.text, #text, p{  
    color:rgb(189, 197, 211)  
}
```

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(189, 197, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 197, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 55.4545, 0.2966, 0.3120 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(189, 197, 211) }
```

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

```
.border{ border-color:rgb(189, 197, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 197, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 197, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 197, 211);  
box-shadow:4px 4px 4px 4px rgb(189, 197,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.4545, 0.2966, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 197, 211) }
```

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

```
.background{ background-color: rgb(189,  
197, 211) }
```

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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