

Converting Colors

$Y_{xy}(51.0919, 0.2950, 0.3117)$

Have a look what the booklet for
Yxy(51.0919, 0.2950, 0.3117)
contains.

Yxy(51.0103, 0.2953, 0.3114)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.0103, 0.2953, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	B5BECC
RGB	181, 190, 204
RGB Percent	71%, 75%, 80%
CMY	0.2901, 0.2549, 0.2000
CMYK	0.11, 0.07, 0.00, 0.20
HSL	217°, 18%, 75%
HSV	217°, 11%, 80%
XYZ	48.3730, 51.0103, 64.4263
YIQ	188.9050, -9.8580, 2.4460

Conversions

Conversions Part 2

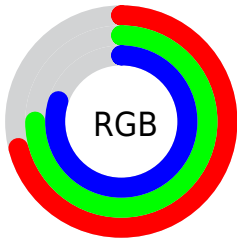
Format	Color
R _Y B	181, 187, 204
Decimal	11910860
CIE Lab	76.69, -0.30, -8.10
CIE LCh	77, 8.109, 267.848
Yxy	51.0103, 0.2953, 0.3114
Android (android.graphics.Color)	4290100940 (0xFFB5BECC)
YUV	188.9050, 7.4418, -6.9327
Hunter-Lab	71.4215, -4.0916, -3.4879

Details

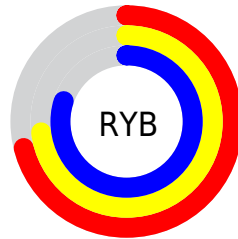
The Yxy color **51.0103, 0.2953, 0.3114** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.2204, 0.3306, 0.3460**, and the grayscale version is **50.7958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1361, 0.3018, 0.3201**, and **24.6825, 0.2904, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **43.5648, 0.2789, 0.2938**, and if you desaturate by 10%, it is **59.2808, 0.3108, 0.3271**.

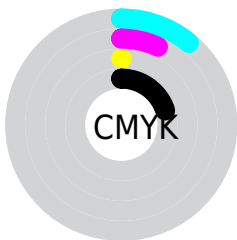
Distribution



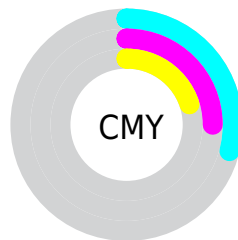
- Red (71%)
- Green (75%)
- Blue (80%)



- Red (71%)
- Yellow (73%)
- Blue (80%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (29%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0103, 0.2953, 0.3114 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 51.0103, 0.2953, 0.3114 by changing the saturation by 10% instead.

■ 51.0103, 0.2953,
0.3114

■ 51.0103, 0.2953,
0.3114

390.6038, 0.3039,
0.3201

■ 36.2168, 0.2932,
0.3093

■ 91.6700, 0.2984,
0.3145

■ 24.6017, 0.2906,
0.3066

118.3050, 0.2995,
0.3157

■ 15.7805, 0.2871,
0.3030

149.6559, 0.3005,
0.3167

■ 9.3690, 0.2823,
0.2982

186.1072, 0.3014,
0.3176

■ 4.9826, 0.2753,
0.2911

228.0433, 0.3021,
0.3183

■ 2.2371, 0.2642,
0.2798

275.8485, 0.3028,

■ 0.7401, 0.2426,

0.3190

0.2580

329.9072, 0.3033,
0.3195

0.0000, 0.0000,
0.0000

51.0103, 0.2953,
0.3114

51.0103, 0.2953,
0.3114

43.5648, 0.2789,
0.2938

59.2808, 0.3108,
0.3271

36.9109, 0.2619,
0.2743

68.3956, 0.3253,
0.3411

31.0220, 0.2445,
0.2532

78.3814, 0.3388,
0.3533

25.8676, 0.2274,
0.2306

87.7862, 0.3458,
0.3647

21.4149, 0.2111,
0.2072

95.3498, 0.3435,
0.3764

■ 17.6279, 0.1964,
0.1836

■ 97.1399, 0.3430,
0.3790

■ 14.4669, 0.1838,
0.1606

■ 11.8864, 0.1739,
0.1392

■ 10.0467, 0.1673,
0.1223

Harmonies

Analogous

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



51.0103, 0.2916, 0.3169



51.0103, 0.2953, 0.3114



51.0103, 0.3037, 0.3106

Triad

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



51.0103, 0.2953, 0.3114



51.0103, 0.3324, 0.3316



51.0103, 0.3106, 0.3442

Complementary

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



51.0103, 0.2953, 0.3114



55.2204, 0.3306, 0.3460

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.



51.0103, 0.3216, 0.3481



51.0103, 0.2953, 0.3114



51.0103, 0.3343, 0.3406

Square

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



51.0103, 0.2953, 0.3114



51.0103, 0.3252, 0.3221



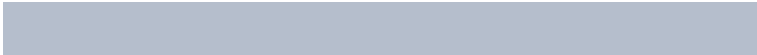
51.0103, 0.3303, 0.3467



51.0103, 0.3003, 0.3360

Rectangle

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



51.0103, 0.2953, 0.3114



51.0103, 0.3108, 0.3127



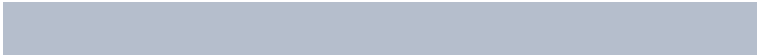
51.0103, 0.3303, 0.3467



51.0103, 0.3143, 0.3461

Sweetspot

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



51.0124, 0.2953, 0.3114



95.6387, 0.3081, 0.3245



56.9471, 0.3018, 0.3404



20.2258, 0.3069, 0.3232



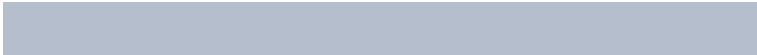
0.0000, 0.0000, 0.0000



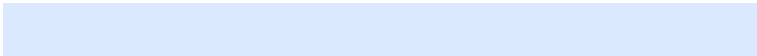
21.4041, 0.3127, 0.3290

Same Dimension

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



51.0124, 0.2953, 0.3114



80.7399, 0.2906, 0.3065



47.5244, 0.2970, 0.3001



11.5505, 0.2983, 0.3145



6.4922, 0.1680, 0.1249



0.4814, 0.1791, 0.1645

Inverse Universe

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



49.6134, 0.3253, 0.3181



77.9766, 0.3290, 0.3152



59.0417, 0.3275, 0.3567



11.2850, 0.3230, 0.3200



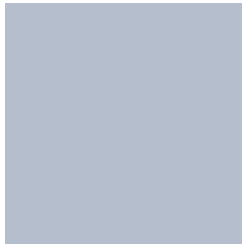
8.4584, 0.5397, 0.2747



0.4511, 0.4874, 0.2459

Previews

White Background



This preview shows how the Yxy color 51.0103, 0.2953, 0.3114 looks on a white background.

Color Contrast Check

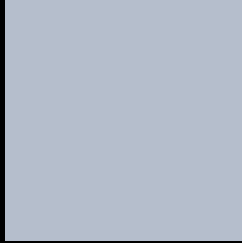
Large Text (above 18pt) WCAG AA × Fail

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 51.0103, 0.2953, 0.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

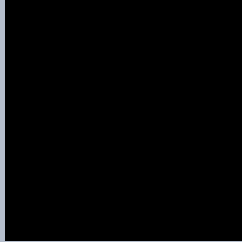
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

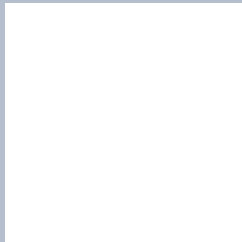
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.0103, 0.2953, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 51.0103, 0.2953, 0.3114.

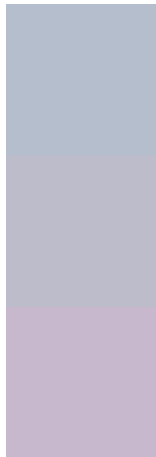


This preview shows how white text looks on a background with the Yxy color 51.0103, 0.2953, 0.3114.

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

51.0103, 0.2953, 0.3114

Protanopia

50.9696, 0.3015, 0.3104

Deuteranopia

50.9681, 0.3098, 0.3037



Tritanopia

51.0584, 0.2946, 0.3102

Trichromacy



Original Color

51.0103, 0.2953, 0.3114

Protanomaly

51.0213, 0.2991, 0.3115

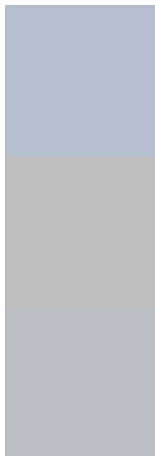
Deuteranomaly

50.8630, 0.3040, 0.3058

Tritanomaly

51.0584, 0.2946, 0.3102

Monochromacy



Original Color

51.0103, 0.2953, 0.3114

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.7293, 0.3065, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0103, 0.2953, 0.3114 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(181, 190, 204)` looks like.

```
.text, #text, p{  
    color:rgb(181, 190, 204)  
}
```

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(181, 190, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 190, 204) }
```

Border

The CSS property to change the border of an element to Yxy 51.0103, 0.2953, 0.3114 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(181, 190, 204) }
```

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

```
.border{ border-color:rgb(181, 190, 204) }
```

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

Here you see how a box with a 4 pixel rgb(181, 190, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 190, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 190, 204);  
box-shadow:4px 4px 4px 4px rgb(181, 190,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0103, 0.2953, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 190, 204) }
```

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

```
.background{ background-color: rgb(181,  
190, 204) }
```

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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