

Converting Colors

$Y_{xy}(52.1298, 0.3053, 0.3171)$

Have a look what the booklet for
Yxy(52.1298, 0.3053, 0.3171)
contains.

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Color

Yxy(51.9442, 0.3052, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	BEBEC8
RGB	190, 190, 200
RGB Percent	75%, 75%, 78%
CMY	0.2550, 0.2549, 0.2156
CMYK	0.05, 0.05, 0.00, 0.22
HSL	240°, 8%, 76%
HSV	240°, 5%, 78%
XYZ	50.0738, 51.9442, 62.0508
YIQ	191.1400, -3.2100, 3.1100

Conversions

Conversions Part 2

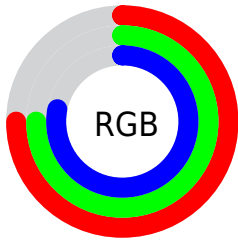
Format	Color
R_{YB}	190, 190, 200
Decimal	12500680
CIE _{Lab}	77.25, 1.90, -5.04
CIE _{LCh}	77, 5.389, 290.611
Yxy	51.9442, 0.3052, 0.3166
Android (android.graphics.Color)	4290690760 (0xFFBEBEC8)
YUV	191.1400, 4.3680, -0.9998
Hunter-Lab	72.0723, -2.1098, -0.5952

Details

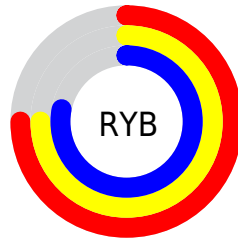
The Yxy color **51.9442, 0.3052, 0.3166** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.3152, 0.3201, 0.3411**, and the grayscale version is **52.1622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7244, 0.3074, 0.3202**, and **25.2850, 0.3037, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **41.4827, 0.2887, 0.2894**, and if you desaturate by 10%, it is **63.9476, 0.3197, 0.3404**.

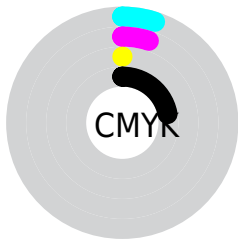
Distribution



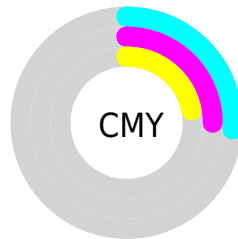
- Red (75%)
- Green (75%)
- Blue (78%)



- Red (75%)
- Yellow (75%)
- Blue (78%)



- Cyan (5%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)



- Cyan (26%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9442, 0.3052, 0.3166 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 51.9442, 0.3052, 0.3166 by changing the saturation by 10% instead.

■ 51.9442, 0.3052,
0.3166

■ 51.9442, 0.3052,
0.3166

394.2212, 0.3089,
0.3227

■ 36.9606, 0.3043,
0.3151

■ 93.0489, 0.3065,
0.3188

■ 25.1770, 0.3031,
0.3133

119.9389, 0.3070,
0.3196

■ 16.2090, 0.3016,
0.3108

151.5664, 0.3075,
0.3203

■ 9.6721, 0.2995,
0.3074

188.3158, 0.3078,
0.3209

■ 5.1821, 0.2965,
0.3026

230.5716, 0.3082,
0.3214

■ 2.3545, 0.2916,
0.2949

278.7182, 0.3084,

■ 0.8023, 0.2826,

0.3219

0.2803

333.1399, 0.3087,
0.3223

0.0000, 0.0000,
0.0000

51.9442, 0.3052,
0.3166

51.9442, 0.3052,
0.3166

41.4827, 0.2887,
0.2894

63.9476, 0.3197,
0.3404

32.4944, 0.2702,
0.2588

77.5448, 0.3322,
0.3611

24.9151, 0.2499,
0.2253

92.7935, 0.3429,
0.3788

18.6734, 0.2286,
0.1901

96.9517, 0.3454,
0.3830

13.6917, 0.2073,
0.1550

■ 9.8843, 0.1876,
0.1223

■ 7.1551, 0.1710,
0.0949

■ 5.3926, 0.1590,
0.0750

■ 4.4612, 0.1522,
0.0636

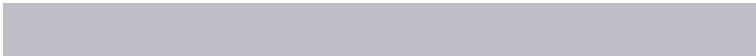
Harmonies

Analogous

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



51.9442, 0.3003, 0.3180



51.9442, 0.3052, 0.3166



51.9442, 0.3122, 0.3185

Triad

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



51.9442, 0.3052, 0.3166



51.9442, 0.3270, 0.3354



51.9442, 0.3060, 0.3351

Complementary

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



51.9442, 0.3052, 0.3166



57.3152, 0.3201, 0.3411

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.



51.9442, 0.3131, 0.3399



51.9442, 0.3052, 0.3166



51.9442, 0.3253, 0.3400

Square

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



51.9442, 0.3052, 0.3166



51.9442, 0.3248, 0.3292



51.9442, 0.3202, 0.3417



51.9442, 0.3007, 0.3286

Rectangle

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



51.9442, 0.3052, 0.3166



51.9442, 0.3171, 0.3213



51.9442, 0.3202, 0.3417



51.9442, 0.3083, 0.3370

Sweetspot

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



51.9464, 0.3052, 0.3166



95.8416, 0.3097, 0.3241



56.4334, 0.3051, 0.3292



20.5576, 0.3099, 0.3243



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.



51.9464, 0.3052, 0.3166



87.8564, 0.3035, 0.3139



52.5727, 0.3091, 0.3167



10.9519, 0.3028, 0.3126



2.6594, 0.1501, 0.0602



0.1273, 0.1502, 0.0607

Inverse Universe

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



52.8220, 0.3210, 0.3290



89.6791, 0.3228, 0.3290



56.6671, 0.3162, 0.3413



11.1988, 0.3237, 0.3290



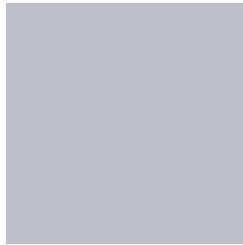
7.8085, 0.6398, 0.3298



0.3699, 0.6388, 0.3293

Previews

White Background



This preview shows how the Yxy color 51.9442, 0.3052, 0.3166 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 51.9442, 0.3052, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

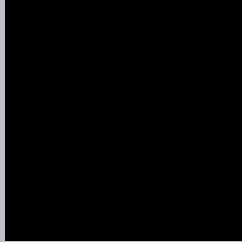
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

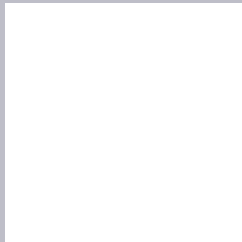
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9442, 0.3052, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 51.9442, 0.3052, 0.3166.

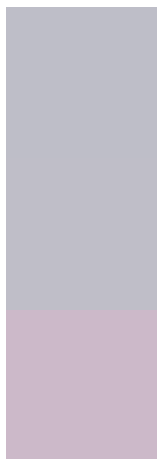


This preview shows how white text looks on a background with the Yxy color 51.9442, 0.3052, 0.3166.

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

51.9442, 0.3052, 0.3166

Protanopia

52.0734, 0.3060, 0.3167

Deuteranopia

51.7523, 0.3161, 0.3099



Tritanopia

51.8312, 0.3031, 0.3106

Trichromacy



Original Color

51.9442, 0.3052, 0.3166

Protanomaly

52.0734, 0.3060, 0.3167

Deuteranomaly

51.8998, 0.3119, 0.3121

Tritanomaly

51.7834, 0.3038, 0.3118

Monochromacy



Original Color

51.9442, 0.3052, 0.3166

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.2330, 0.3105, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9442, 0.3052, 0.3166 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(190, 190, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 190, 200) }
```

Border

The CSS property to change the border of an element to Yxy 51.9442, 0.3052, 0.3166 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, 200) }
```

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

```
.border{ border-color:rgb(190, 190, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 190, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 190, 200);  
box-shadow:4px 4px 4px 4px rgb(190, 190,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9442, 0.3052, 0.3166 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, 200) }
```

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

```
.background{ background-color: rgb(190,  
190, 200) }
```

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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