

Converting Colors

Yxy(50.5788, 0.3050, 0.3166)

Have a look what the booklet for
Yxy(50.5788, 0.3050, 0.3166)
contains.

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Color

Yxy(50.7350, 0.3052, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	BCBCC6
RGB	188, 188, 198
RGB Percent	74%, 74%, 78%
CMY	0.2626, 0.2628, 0.2235
CMYK	0.05, 0.05, 0.00, 0.22
HSL	240°, 8%, 76%
HSV	240°, 5%, 78%
XYZ	48.9236, 50.7350, 60.6415
YIQ	189.1400, -3.2100, 3.1100

Conversions

Conversions Part 2

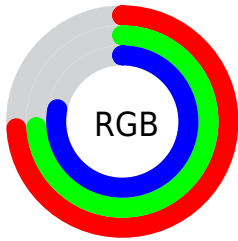
Format	Color
R _{YB}	188, 188, 198
Decimal	12369094
CIE Lab	76.52, 1.92, -5.04
CIE LCh	77, 5.392, 290.912
Yxy	50.7350, 0.3052, 0.3165
Android (android.graphics.Color)	4290559174 (0xFFBCBCC6)
YUV	189.1400, 4.3680, -0.9998
Hunter-Lab	71.2285, -2.0464, -0.6176

Details

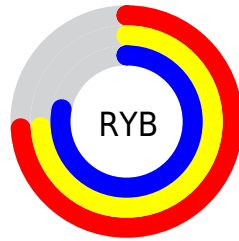
The Yxy color $50.7350, 0.3052, 0.3165$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $56.0188, 0.3201, 0.3412$, and the grayscale version is $50.9536, 0.3127, 0.3290$.

A 20% lighter version of the original color is $91.1545, 0.3062, 0.3182$, and $24.4925, 0.3035, 0.3138$ is the 20% darker color. If you saturate the color by 10%, you get $40.5169, 0.2888, 0.2892$, and if you desaturate by 10%, it is $62.4593, 0.3196, 0.3404$.

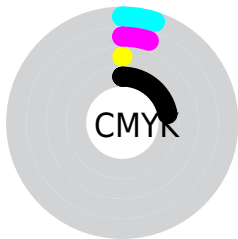
Distribution



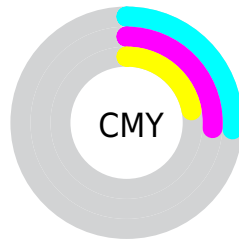
- Red (74%)
- Green (74%)
- Blue (78%)



- Red (74%)
- Yellow (74%)
- Blue (78%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7350, 0.3052, 0.3165 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 50.7350, 0.3052, 0.3165 by changing the saturation by 10% instead.

■ 50.7350, 0.3052,
0.3165

■ 50.7350, 0.3052,
0.3165

■ 389.5333, 0.3089,
0.3226

■ 35.9978, 0.3043,
0.3150

■ 91.2629, 0.3065,
0.3187

■ 24.4325, 0.3031,
0.3131

■ 117.8224, 0.3070,
0.3195

■ 15.6547, 0.3016,
0.3106

■ 149.0914, 0.3075,
0.3203

■ 9.2802, 0.2994,
0.3072

■ 185.4544, 0.3078,
0.3209

■ 4.9244, 0.2963,
0.3021

■ 227.2956, 0.3082,
0.3214

■ 2.2030, 0.2913,
0.2942

■ 274.9996, 0.3084,

■ 0.7216, 0.2815,

0.3219

0.2772

328.9507, 0.3087,
0.3223

0.0000, 0.0000,
0.0000

50.7350, 0.3052,
0.3165

50.7350, 0.3052,
0.3165

40.5169, 0.2888,
0.2892

62.4593, 0.3196,
0.3404

31.7377, 0.2704,
0.2586

75.7405, 0.3320,
0.3611

24.3350, 0.2502,
0.2252

90.6350, 0.3427,
0.3789

18.2388, 0.2289,
0.1900

96.8574, 0.3466,
0.3850

13.3734, 0.2077,
0.1548

■ 9.6552, 0.1880,
0.1222

■ 6.9900, 0.1713,
0.0948

■ 5.2690, 0.1592,
0.0749

■ 4.3598, 0.1523,
0.0636

Harmonies

Analogous

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



50.7350, 0.3002, 0.3179



50.7350, 0.3052, 0.3165



50.7350, 0.3123, 0.3184

Triad

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



50.7350, 0.3052, 0.3165



50.7350, 0.3271, 0.3355



50.7350, 0.3059, 0.3351

Complementary

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



50.7350, 0.3052, 0.3165



56.0188, 0.3201, 0.3412

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.



50.7350, 0.3131, 0.3400



50.7350, 0.3052, 0.3165



50.7350, 0.3254, 0.3401

Square

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



50.7350, 0.3052, 0.3165



50.7350, 0.3250, 0.3293



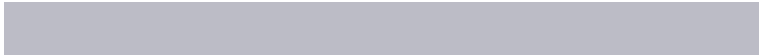
50.7350, 0.3202, 0.3418



50.7350, 0.3006, 0.3286

Rectangle

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



50.7350, 0.3052, 0.3165



50.7350, 0.3172, 0.3213



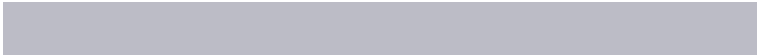
50.7350, 0.3202, 0.3418



50.7350, 0.3082, 0.3370

Sweetspot

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



50.7372, 0.3052, 0.3165



95.8398, 0.3098, 0.3241



55.1572, 0.3049, 0.3290



20.5572, 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.



50.7372, 0.3052, 0.3165



87.8512, 0.3036, 0.3138



51.3770, 0.3092, 0.3167



10.9512, 0.3028, 0.3126



2.6573, 0.1502, 0.0601



0.1268, 0.1509, 0.0605

Inverse Universe

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



52.0436, 0.3133, 0.3169



90.6183, 0.3135, 0.3144



55.3572, 0.3161, 0.3413



11.3260, 0.3135, 0.3132



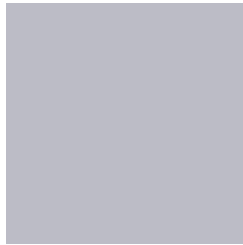
10.4271, 0.3223, 0.1549



0.4941, 0.3220, 0.1547

Previews

White Background



This preview shows how the Yxy color 50.7350, 0.3052, 0.3165 looks on a white background.

Color Contrast Check

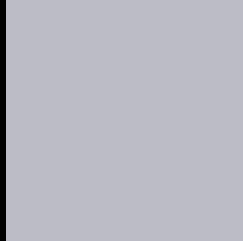
Large Text (above 18pt) WCAG AA × Fail

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 50.7350, 0.3052, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

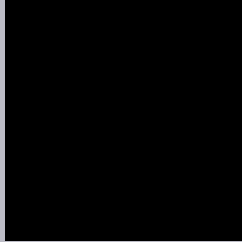
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

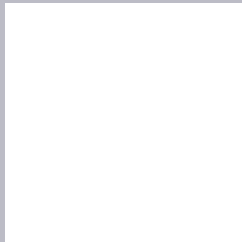
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7350, 0.3052, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 50.7350, 0.3052, 0.3165.

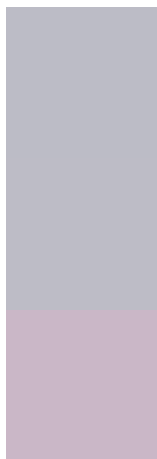


This preview shows how white text looks on a background with the Yxy color 50.7350, 0.3052, 0.3165.

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

50.7350, 0.3052, 0.3165

Protanopia

50.8625, 0.3060, 0.3166

Deuteranopia

50.5471, 0.3161, 0.3097



Tritanopia

50.6237, 0.3030, 0.3104

Trichromacy



Original Color

50.7350, 0.3052, 0.3165

Protanomaly

50.8625, 0.3060, 0.3166

Deuteranomaly

50.6918, 0.3119, 0.3119

Tritanomaly

50.5765, 0.3038, 0.3116

Monochromacy



Original Color

50.7350, 0.3052, 0.3165

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.0198, 0.3104, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7350, 0.3052, 0.3165 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(188, 188, 198)` looks like.

```
.text, #text, p{  
    color:rgb(188, 188, 198)  
}
```

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(188, 188, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 188, 198) }
```

Border

The CSS property to change the border of an element to Yxy 50.7350, 0.3052, 0.3165 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(188, 188, 198) }
```

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

```
.border{ border-color:rgb(188, 188, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 188, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 188, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 188, 198);  
box-shadow:4px 4px 4px 4px rgb(188, 188,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7350, 0.3052, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 188, 198) }
```

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

```
.background{ background-color: rgb(188,  
188, 198) }
```

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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