

Converting Colors

Yxy(51.3142, 0.3026, 0.3131)

Have a look what the booklet for
Yxy(51.3142, 0.3026, 0.3131)
contains.

Yxy(51.3508, 0.3022, 0.3129)	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(51.3508, 0.3022, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	BCBDCA
RGB	188, 189, 202
RGB Percent	74%, 74%, 79%
CMY	0.2628, 0.2588, 0.2079
CMYK	0.07, 0.06, 0.00, 0.21
HSL	236°, 12%, 76%
HSV	236°, 7%, 79%
XYZ	49.5948, 51.3508, 63.1669
YIQ	190.1830, -4.7690, 3.8310

Conversions

Conversions Part 2

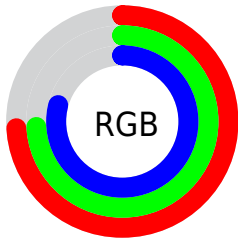
Format	Color
R _Y B	188, 189, 202
Decimal	12369354
CIE Lab	76.89, 2.14, -6.65
CIE LCh	77, 6.984, 287.859
Yxy	51.3508, 0.3022, 0.3129
Android (android.graphics.Color)	4290559434 (0xFFBCBDCA)
YUV	190.1830, 5.8258, -1.9145
Hunter-Lab	71.6595, -1.8660, -2.1017

Details

The Yxy color **51.3508, 0.3022, 0.3129** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.9473, 0.3230, 0.3446**, and the grayscale version is **51.5716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7579, 0.3062, 0.3192**, and **24.8973, 0.2996, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **41.4175, 0.2854, 0.2870**, and if you desaturate by 10%, it is **62.6888, 0.3171, 0.3357**.

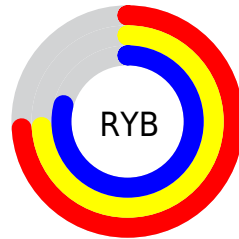
Distribution



Red (74%)

Green (74%)

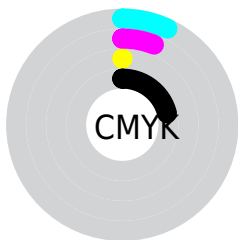
Blue (79%)



Red (74%)

Yellow (74%)

Blue (79%)

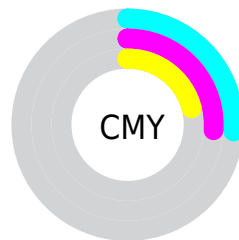


Cyan (7%)

Magenta (6%)

Yellow (0%)

Black (21%)



Cyan (26%)

Magenta (26%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3508, 0.3022, 0.3129 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 51.3508, 0.3022, 0.3129 by changing the saturation by 10% instead.

■ 51.3508, 0.3022,
0.3129

■ 51.3508, 0.3022,
0.3129

391.9252, 0.3074,
0.3208

■ 36.4879, 0.3009,
0.3110

■ 92.1731, 0.3041,
0.3157

■ 24.8112, 0.2993,
0.3086

118.9013, 0.3048,
0.3168

■ 15.9365, 0.2972,
0.3054

150.3533, 0.3054,
0.3177

■ 9.4792, 0.2942,
0.3010

186.9136, 0.3059,
0.3185

■ 5.0550, 0.2899,
0.2947

228.9665, 0.3063,
0.3192

■ 2.2796, 0.2830,
0.2847

276.8965, 0.3067,

■ 0.7629, 0.2704,

0.3198

0.2654

331.0879, 0.3071,
0.3203

0.0000, 0.0000,
0.0000

51.3508, 0.3022,
0.3129

51.3508, 0.3022,
0.3129

41.4175, 0.2854,
0.2870

62.6888, 0.3171,
0.3357

32.8280, 0.2669,
0.2581

75.4763, 0.3302,
0.3555

25.5264, 0.2470,
0.2265

89.7645, 0.3416,
0.3726

19.4506, 0.2262,
0.1933

97.0437, 0.3442,
0.3810

14.5333, 0.2058,
0.1598

■ 10.7006, 0.1869,
0.1283

■ 7.8700, 0.1710,
0.1011

■ 5.9474, 0.1594,
0.0802

■ 4.8176, 0.1526,
0.0669

Harmonies

Analogous

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



51.3508, 0.2962, 0.3150



51.3508, 0.3022, 0.3129



51.3508, 0.3111, 0.3150

Triad

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



51.3508, 0.3022, 0.3129



51.3508, 0.3313, 0.3366



51.3508, 0.3048, 0.3376

Complementary

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



51.3508, 0.3022, 0.3129



57.9473, 0.3230, 0.3446

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.



51.3508, 0.3141, 0.3436



51.3508, 0.3022, 0.3129



51.3508, 0.3295, 0.3429

Square

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



51.3508, 0.3022, 0.3129



51.3508, 0.3280, 0.3285



51.3508, 0.3232, 0.3455



51.3508, 0.2976, 0.3293

Rectangle

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



51.3508, 0.3022, 0.3129



51.3508, 0.3175, 0.3184



51.3508, 0.3232, 0.3455



51.3508, 0.3077, 0.3400

Sweetspot

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



51.3530, 0.3022, 0.3129



96.0642, 0.3097, 0.3244



57.1350, 0.3029, 0.3304



20.6029, 0.3099, 0.3247



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.



51.3530, 0.3022, 0.3129



84.8495, 0.3003, 0.3100



51.6741, 0.3069, 0.3119



10.9723, 0.2982, 0.3068



3.0070, 0.1514, 0.0651



0.2017, 0.1561, 0.0820

Inverse Universe

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



52.1935, 0.3236, 0.3278



86.5085, 0.3256, 0.3276



57.6231, 0.3183, 0.3460



11.2266, 0.3279, 0.3274



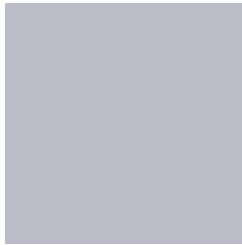
8.1065, 0.6314, 0.3252



0.4229, 0.6037, 0.3100

Previews

White Background



This preview shows how the Yxy color 51.3508, 0.3022, 0.3129 looks on a white background.

Color Contrast Check

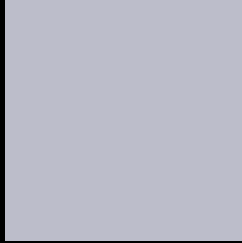
Large Text (above 18pt) WCAG AA × Fail

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 51.3508, 0.3022, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

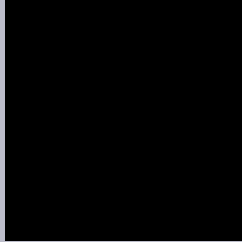
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

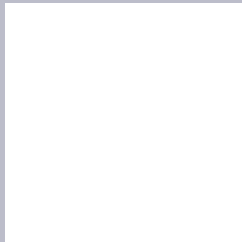
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.3508, 0.3022, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 51.3508, 0.3022, 0.3129.

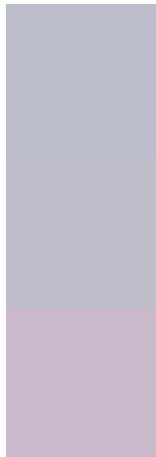


This preview shows how white text looks on a background with the Yxy color 51.3508, 0.3022, 0.3129.

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

51.3508, 0.3022, 0.3129

Protanopia

51.6066, 0.3038, 0.3130

Deuteranopia

51.1493, 0.3130, 0.3062



Tritanopia

51.4462, 0.3007, 0.3105

Trichromacy



Original Color

51.3508, 0.3022, 0.3129

Protanomaly

51.4783, 0.3030, 0.3129

Deuteranomaly

51.2999, 0.3088, 0.3084

Tritanomaly

51.3984, 0.3015, 0.3117

Monochromacy



Original Color

51.3508, 0.3022, 0.3129

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

51.5408, 0.3089, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3508, 0.3022, 0.3129 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, 189, 202)` looks like.

```
.text, #text, p{  
    color:rgb(188, 189, 202)  
}
```

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, 189, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 189, 202) }
```

Border

The CSS property to change the border of an element to Yxy 51.3508, 0.3022, 0.3129 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, 189, 202) }
```

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

```
.border{ border-color:rgb(188, 189, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 189, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 189, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 189, 202);  
box-shadow:4px 4px 4px 4px rgb(188, 189,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3508, 0.3022, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 189, 202) }
```

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

```
.background{ background-color: rgb(188,  
189, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor