

Converting Colors

$Y_{xy}(52.6770, 0.2960, 0.3026)$

Have a look what the booklet for
Yxy(52.6770, 0.2960, 0.3026)
contains.

Yxy(52.3992, 0.2958, 0.3022)	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(52.3992, 0.2958, 0.3022)

Conversions

Conversions Part 1

Format	Color
Hex	BDBED4
RGB	189, 190, 212
RGB Percent	74%, 75%, 83%
CMY	0.2587, 0.2549, 0.1686
CMYK	0.11, 0.10, 0.00, 0.17
HSL	237°, 21%, 79%
HSV	237°, 11%, 83%
XYZ	51.2895, 52.3992, 69.7038
YIQ	192.2090, -7.6580, 6.6300

Conversions

Conversions Part 2

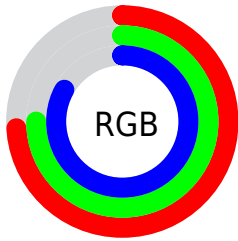
Format	Color
R_{YB}	189, 190, 212
Decimal	12435156
CIE _{Lab}	77.52, 3.97, -11.13
CIE _{LCh}	78, 11.817, 289.625
Yxy	52.3992, 0.2958, 0.3022
Android (android.graphics.Color)	4290625236 (0xFFBDBED4)
YUV	192.2090, 9.7570, -2.8143
Hunter-Lab	72.3873, -0.2029, -6.4209

Details

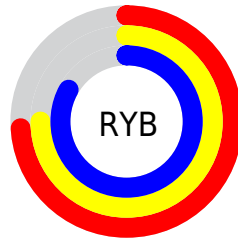
The Yxy color $52.3992, 0.2958, 0.3022$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $64.2848, 0.3289, 0.3545$, and the grayscale version is $52.7897, 0.3127, 0.3290$.

A 20% lighter version of the original color is $92.5440, 0.3068, 0.3202$, and $25.5599, 0.2920, 0.2963$ is the 20% darker color. If you saturate the color by 10%, you get $41.6912, 0.2782, 0.2741$, and if you desaturate by 10%, it is $64.7340, 0.3115, 0.3271$.

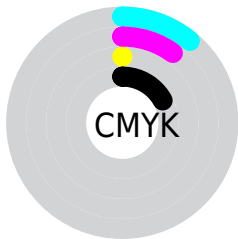
Distribution



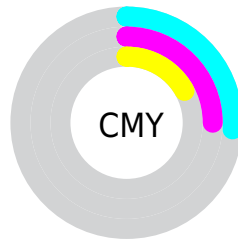
- Red (74%)
- Green (75%)
- Blue (83%)



- Red (74%)
- Yellow (75%)
- Blue (83%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)
- Black (17%)



- Cyan (26%)
- Magenta (25%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3992, 0.2958, 0.3022 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 52.3992, 0.2958, 0.3022 by changing the saturation by 10% instead.

■ 52.3992, 0.2958,
0.3022

■ 52.3992, 0.2958,
0.3022

■ 395.9758, 0.3041,
0.3152

■ 37.3234, 0.2938,
0.2991

■ 93.7197, 0.2988,
0.3068

■ 25.4580, 0.2912,
0.2951

■ 120.7332, 0.2999,
0.3086

■ 16.4186, 0.2878,
0.2900

■ 152.4946, 0.3009,
0.3101

■ 9.8208, 0.2832,
0.2831

■ 189.3885, 0.3017,
0.3114

■ 5.2803, 0.2765,
0.2732

■ 231.7992, 0.3024,
0.3125

■ 2.4127, 0.2659,
0.2579

■ 280.1110, 0.3031,

■ 0.8324, 0.2469,

0.3135

0.2312

334.7084, 0.3036,
0.3144

0.0000, 0.0000,
0.0000

52.3992, 0.2958,
0.3022

52.3992, 0.2958,
0.3022

41.6912, 0.2782,
0.2741

64.7340, 0.3115,
0.3271

32.5359, 0.2588,
0.2429

78.7525, 0.3252,
0.3487

24.8631, 0.2380,
0.2094

94.5171, 0.3372,
0.3675

18.5949, 0.2169,
0.1749

97.5340, 0.3382,
0.3711

13.6461, 0.1966,
0.1413

■ 9.9223, 0.1786,
0.1112

■ 7.3168, 0.1644,
0.0870

■ 5.7040, 0.1551,
0.0704

■ 4.9472, 0.1506,
0.0622

Harmonies

Analogous

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



52.3992, 0.2855, 0.3051



52.3992, 0.2958, 0.3022



52.3992, 0.3109, 0.3061

Triad

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



52.3992, 0.2958, 0.3022



52.3992, 0.3442, 0.3422



52.3992, 0.2985, 0.3428

Complementary

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



52.3992, 0.2958, 0.3022



64.2848, 0.3289, 0.3545

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.



52.3992, 0.3139, 0.3535



52.3992, 0.2958, 0.3022



52.3992, 0.3405, 0.3527

Square

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



52.3992, 0.2958, 0.3022



52.3992, 0.3391, 0.3288



52.3992, 0.3294, 0.3570



52.3992, 0.2870, 0.3284

Rectangle

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



52.3992, 0.2958, 0.3022



52.3992, 0.3217, 0.3120



52.3992, 0.3294, 0.3570



52.3992, 0.3034, 0.3470

Sweetspot

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



52.4014, 0.2958, 0.3022



93.9906, 0.3082, 0.3219



62.6107, 0.2969, 0.3303



19.7826, 0.3070, 0.3199



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.



52.4014, 0.2958, 0.3022



75.6305, 0.2919, 0.2960



53.3551, 0.3039, 0.3017



12.0914, 0.2981, 0.3059



3.0903, 0.1508, 0.0629



0.2165, 0.1533, 0.0718

Inverse Universe

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



54.1242, 0.3311, 0.3279



78.7637, 0.3356, 0.3277



63.2777, 0.3209, 0.3562



12.4292, 0.3285, 0.3281



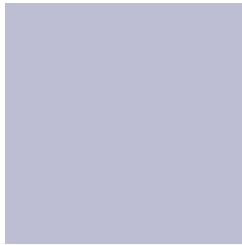
8.6568, 0.6352, 0.3273



0.5252, 0.6203, 0.3191

Previews

White Background



This preview shows how the Yxy color 52.3992, 0.2958, 0.3022 looks on a white background.

Color Contrast Check

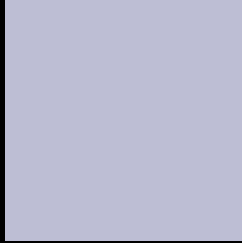
Large Text (above 18pt) WCAG AA × Fail

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 52.3992, 0.2958, 0.3022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

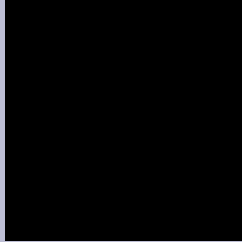
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

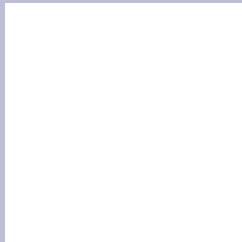
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.3992, 0.2958, 0.3022

Background



This preview shows how black text looks on a background with the Yxy color 52.3992, 0.2958, 0.3022.



This preview shows how white text looks on a background with the Yxy color 52.3992, 0.2958, 0.3022.

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

52.3992, 0.2958, 0.3022

Protanopia

52.3992, 0.2958, 0.3022

Deuteranopia

52.2013, 0.3037, 0.2969



Tritanopia

52.4092, 0.2993, 0.3105

Trichromacy



Original Color

52.3992, 0.2958, 0.3022

Protanomaly

52.3992, 0.2958, 0.3022

Deuteranomaly

52.0805, 0.3005, 0.2978

Tritanomaly

52.5070, 0.2979, 0.3081

Monochromacy



Original Color

52.3992, 0.2958, 0.3022

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.4615, 0.3067, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3992, 0.2958, 0.3022 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, 190, 212)` looks like.

```
.text, #text, p{  
    color:rgb(189, 190, 212)  
}
```

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, 190, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 190, 212) }
```

Border

The CSS property to change the border of an element to Yxy 52.3992, 0.2958, 0.3022 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, 190, 212) }
```

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

```
.border{ border-color:rgb(189, 190, 212) }
```

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

Here you see how a box with a 4 pixel rgb(189, 190, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 190, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 190, 212);  
box-shadow:4px 4px 4px 4px rgb(189, 190,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3992, 0.2958, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 190, 212) }
```

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

```
.background{ background-color: rgb(189,  
190, 212) }
```

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