

Converting Colors

$Y_{xy}(52.5092, 0.3010, 0.3010)$

Have a look what the booklet for
Yxy(52.5092, 0.3010, 0.3010)
contains.

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Color

Yxy(52.3220, 0.3004, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	C3BCD4
RGB	195, 188, 212
RGB Percent	76%, 74%, 83%
CMY	0.2353, 0.2627, 0.1685
CMYK	0.08, 0.11, 0.00, 0.17
HSL	257°, 22%, 78%
HSV	257°, 11%, 83%
XYZ	52.3743, 52.3220, 69.6522
YIQ	192.8290, -3.5320, 8.9480

Conversions

Conversions Part 2

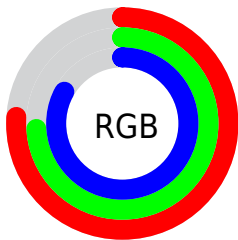
Format	Color
R _Y B	195, 188, 212
Decimal	12827860
CIE Lab	77.47, 7.02, -11.17
CIE LCh	77, 13.189, 302.143
Yxy	52.3220, 0.3004, 0.3001
Android (android.graphics.Color)	4291017940 (0xFFC3BCD4)
YUV	192.8290, 9.4513, 1.9040
Hunter-Lab	72.3339, 2.6608, -6.4581

Details

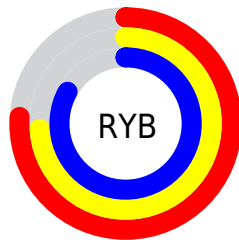
The Yxy color `52.3220, 0.3004, 0.3001` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `63.7252, 0.3242, 0.3572`, and the grayscale version is `53.1692, 0.3127, 0.3290`.

A 20% lighter version of the original color is `92.6168, 0.3113, 0.3184`, and `25.4250, 0.2971, 0.2936` is the 20% darker color. If you saturate the color by 10%, you get `42.0167, 0.2878, 0.2718`, and if you desaturate by 10%, it is `64.1646, 0.3114, 0.3258`.

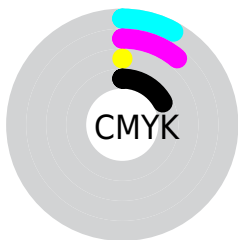
Distribution



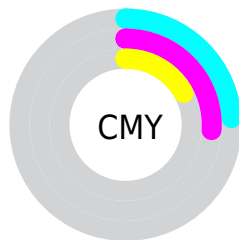
- Red (76%)
- Green (74%)
- Blue (83%)



- Red (76%)
- Yellow (74%)
- Blue (83%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)
- Black (17%)



- Cyan (24%)
- Magenta (26%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3220, 0.3004, 0.3001 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 52.3220, 0.3004, 0.3001 by changing the saturation by 10% instead.

■ 52.3220, 0.3004,
0.3001

■ 52.3220, 0.3004,
0.3001

395.6784, 0.3065,
0.3140

■ 37.2618, 0.2989,
0.2968

■ 93.6059, 0.3026,
0.3051

■ 25.4103, 0.2970,
0.2926

120.5985, 0.3034,
0.3069

■ 16.3830, 0.2944,
0.2871

152.3373, 0.3041,
0.3086

■ 9.7956, 0.2910,
0.2798

189.2067, 0.3047,
0.3100

■ 5.2636, 0.2858,
0.2693

231.5911, 0.3053,
0.3112

■ 2.4028, 0.2777,
0.2534

279.8749, 0.3057,

■ 0.8273, 0.2628,

0.3122

0.2258

334.4426, 0.3061,
0.3132

0.0000, 0.0000,
0.0000

52.3220, 0.3004,
0.3001

52.3220, 0.3004,
0.3001

42.0167, 0.2878,
0.2718

64.1646, 0.3114,
0.3258

33.1782, 0.2734,
0.2413

77.5977, 0.3208,
0.3488

25.7405, 0.2576,
0.2092

92.6803, 0.3288,
0.3691

19.6298, 0.2406,
0.1768

97.5355, 0.3381,
0.3710

14.7653, 0.2232,
0.1457

■ 11.0572, 0.2061,
0.1178

■ 8.4034, 0.1906,
0.0952

■ 6.6825, 0.1774,
0.0791

■ 5.7678, 0.1683,
0.0701

Harmonies

Analogous

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



52.3220, 0.2863, 0.3001



52.3220, 0.3004, 0.3001



52.3220, 0.3182, 0.3073

Triad

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



52.3220, 0.3004, 0.3001



52.3220, 0.3473, 0.3492



52.3220, 0.2907, 0.3379

Complementary

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



52.3220, 0.3004, 0.3001



63.7252, 0.3242, 0.3572

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.



52.3220, 0.3066, 0.3522



52.3220, 0.3004, 0.3001



52.3220, 0.3394, 0.3584

Square

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



52.3220, 0.3004, 0.3001



52.3220, 0.3457, 0.3351



52.3220, 0.3244, 0.3598



52.3220, 0.2808, 0.3214

Rectangle

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



52.3220, 0.3004, 0.3001



52.3220, 0.3298, 0.3153



52.3220, 0.3244, 0.3598



52.3220, 0.2955, 0.3432

Sweetspot

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



52.3242, 0.3004, 0.3001



94.2011, 0.3096, 0.3216



59.2202, 0.2953, 0.3208



19.8392, 0.3088, 0.3196



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.



52.3242, 0.3004, 0.3001



74.8092, 0.2970, 0.2924



53.9648, 0.3098, 0.3009



12.1818, 0.3026, 0.3052



3.6040, 0.1695, 0.0708



0.2596, 0.1883, 0.0811

Inverse Universe

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



54.3814, 0.3194, 0.3092



78.6493, 0.3212, 0.3041



62.1036, 0.3152, 0.3580



12.5683, 0.3182, 0.3126



10.0263, 0.4105, 0.2035



0.6188, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 52.3220, 0.3004, 0.3001 looks on a white background.

Color Contrast Check

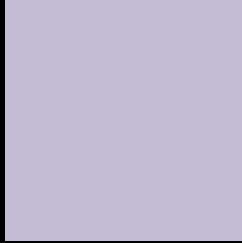
Large Text (above 18pt) WCAG AA × Fail

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 52.3220, 0.3004, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

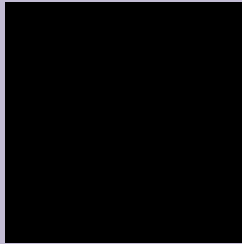
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

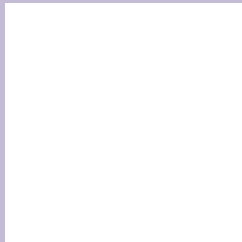
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.3220, 0.3004, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 52.3220, 0.3004, 0.3001.



This preview shows how white text looks on a background with the Yxy color 52.3220, 0.3004, 0.3001.

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

52.3220, 0.3004, 0.3001

Protanopia

52.3224, 0.2943, 0.3010

Deuteranopia

52.1506, 0.3044, 0.2981



Tritanopia

52.2242, 0.3055, 0.3107

Trichromacy



Original Color

52.3220, 0.3004, 0.3001

Protanomaly

52.2757, 0.2966, 0.2999

Deuteranomaly

52.2999, 0.3028, 0.2991

Tritanomaly

52.3695, 0.3033, 0.3072

Monochromacy



Original Color

52.3220, 0.3004, 0.3001

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.9011, 0.3084, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3220, 0.3004, 0.3001 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(195, 188, 212)` looks like.

```
.text, #text, p{  
    color:rgb(195, 188, 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(195, 188, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 188, 212) }
```

Border

The CSS property to change the border of an element to Yxy 52.3220, 0.3004, 0.3001 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(195, 188, 212) }
```

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

```
.border{ border-color:rgb(195, 188, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 188, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 188, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 188, 212);  
box-shadow:4px 4px 4px 4px rgb(195, 188,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3220, 0.3004, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 188, 212) }
```

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

```
.background{ background-color: rgb(195,  
188, 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](#).

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