

Converting Colors

$Y_{xy}(51.1007, 0.3178, 0.3115)$

Have a look what the booklet for
Yxy(51.1007, 0.3178, 0.3115)
contains.

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Color

Yxy(51.1956, 0.3185, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	CCB8C6
RGB	204, 184, 198
RGB Percent	80%, 72%, 78%
CMY	0.2001, 0.2784, 0.2235
CMYK	0.00, 0.10, 0.03, 0.20
HSL	318°, 16%, 76%
HSV	318°, 10%, 80%
XYZ	52.2287, 51.1956, 60.5590
YIQ	191.5760, 7.4260, 8.5940

Conversions

Conversions Part 2

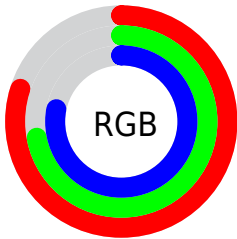
Format	Color
R _Y B	204, 184, 198
Decimal	13416646
CIE Lab	76.80, 9.55, -4.48
CIE LCh	77, 10.548, 334.862
Yxy	51.1956, 0.3185, 0.3122
Android (android.graphics.Color)	4291606726 (0xFFCCB8C6)
YUV	191.5760, 3.1670, 10.8958
Hunter-Lab	71.5511, 5.0816, -0.0958

Details

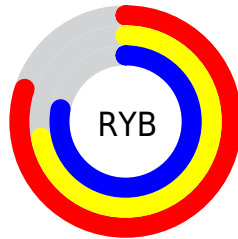
The Yxy color **51.1956, 0.3185, 0.3122** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.0782, 0.3074, 0.3464**, and the grayscale version is **52.4296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8002, 0.3134, 0.3146**, and **24.7302, 0.3206, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **43.0496, 0.3254, 0.2943**, and if you desaturate by 10%, it is **60.5791, 0.3126, 0.3294**.

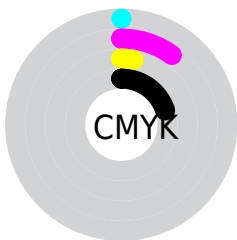
Distribution



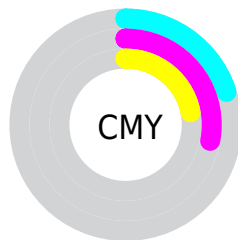
- Red (80%)
- Green (72%)
- Blue (78%)



- Red (80%)
- Yellow (72%)
- Blue (78%)



- Cyan (0%)
- Magenta (10%)
- Yellow (3%)
- Black (20%)





- Cyan (20%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1956, 0.3185, 0.3122 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 51.1956, 0.3185, 0.3122 by changing the saturation by 10% instead.


 51.1956, 0.3185,
0.3122

 51.1956, 0.3185,
0.3122

391.3233, 0.3157,
0.3204

 36.3643, 0.3192,
0.3102


 91.9438, 0.3175,
0.3151

 24.7157, 0.3200,
0.3077


118.6296, 0.3171,
0.3162

 15.8654, 0.3211,
0.3045


150.0356, 0.3168,
0.3172

 9.4289, 0.3226,
0.3000

186.5462, 0.3165,
0.3180

 5.0220, 0.3247,
0.2937

228.5459, 0.3163,
0.3187

 2.2602, 0.3280,
0.2837

276.4190, 0.3161,

 0.7525, 0.3346,

0.3193

0.2642

330.5500, 0.3159,
0.3199

0.0000, 0.0000,
0.0000

51.1956, 0.3185,
0.3122

51.1956, 0.3185,
0.3122

43.0496, 0.3254,
0.2943

60.5791, 0.3126,
0.3294

36.0823, 0.3335,
0.2761

71.2425, 0.3076,
0.3456

30.2399, 0.3428,
0.2581

83.2344, 0.3035,
0.3606

25.4621, 0.3533,
0.2412

89.6464, 0.3000,
0.3640

21.6826, 0.3647,
0.2264

89.9797, 0.2967,
0.3573

■ 18.8279, 0.3770,
0.2146

■ 90.3249, 0.2934,
0.3506

■ 16.8140, 0.3896,
0.2071

■ 90.6822, 0.2902,
0.3440

■ 15.5419, 0.4022,
0.2043

■ 91.0517, 0.2870,
0.3376

■ 14.8310, 0.4146,
0.2058

■ 91.4334, 0.2838,
0.3312

Harmonies

Analogous

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



51.1956, 0.3041, 0.3059



51.1956, 0.3185, 0.3122



51.1956, 0.3316, 0.3228

Triad

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



51.1956, 0.3185, 0.3122



51.1956, 0.3334, 0.3531



51.1956, 0.2865, 0.3219

Complementary

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



51.1956, 0.3185, 0.3122



57.0782, 0.3074, 0.3464

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.



51.1956, 0.2940, 0.3350



51.1956, 0.3185, 0.3122



51.1956, 0.3209, 0.3534

Square

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



51.1956, 0.3185, 0.3122



51.1956, 0.3403, 0.3463



51.1956, 0.3065, 0.3468



51.1956, 0.2859, 0.3111

Rectangle

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



51.1956, 0.3185, 0.3122



51.1956, 0.3377, 0.3310



51.1956, 0.3065, 0.3468



51.1956, 0.2883, 0.3262

Sweetspot

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



51.1978, 0.3185, 0.3122



95.0695, 0.3144, 0.3239



49.5503, 0.3021, 0.3043



20.0738, 0.3149, 0.3225



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.



51.1978, 0.3185, 0.3122



81.4319, 0.3201, 0.3080



50.7657, 0.3262, 0.3238



11.3444, 0.3183, 0.3129



9.3468, 0.4132, 0.2050



0.4952, 0.3910, 0.1928

Inverse Universe

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



51.1978, 0.3185, 0.3122



81.4319, 0.3201, 0.3080



57.5151, 0.3007, 0.3343



11.3444, 0.3183, 0.3129



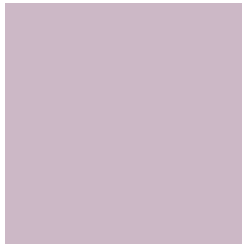
9.3468, 0.4132, 0.2050



0.4952, 0.3910, 0.1928

Previews

White Background



This preview shows how the Yxy color 51.1956, 0.3185, 0.3122 looks on a white background.

Color Contrast Check

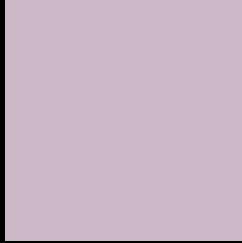
Large Text (above 18pt) WCAG AA × Fail

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 51.1956, 0.3185, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

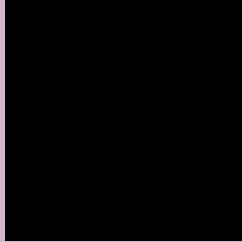
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.1956, 0.3185, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 51.1956, 0.3185, 0.3122.



This preview shows how white text looks on a background with the Yxy color 51.1956, 0.3185, 0.3122.

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

51.1956, 0.3185, 0.3122

Protanopia

51.1306, 0.3045, 0.3129

Deuteranopia

51.1956, 0.3185, 0.3122



Tritanopia

51.1956, 0.3185, 0.3122

Trichromacy



Original Color

51.1956, 0.3185, 0.3122

Protanomaly

51.3129, 0.3094, 0.3131

Deuteranomaly

51.1956, 0.3185, 0.3122

Tritanomaly

51.1956, 0.3185, 0.3122

Monochromacy



Original Color

51.1956, 0.3185, 0.3122

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.0260, 0.3146, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1956, 0.3185, 0.3122 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(204, 184, 198)` looks like.

```
.text, #text, p{  
    color:rgb(204, 184, 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(204, 184, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 184, 198) }
```

Border

The CSS property to change the border of an element to Yxy 51.1956, 0.3185, 0.3122 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(204, 184, 198) }
```

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

```
.border{ border-color:rgb(204, 184, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 184, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 184, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 184, 198);  
box-shadow:4px 4px 4px 4px rgb(204, 184,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1956, 0.3185, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 184, 198) }
```

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

```
.background{ background-color: rgb(204,  
184, 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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