

Converting Colors

$Y_{xy}(50.4800, 0.3178, 0.3132)$

Have a look what the booklet for
Yxy(50.4800, 0.3178, 0.3132)
contains.

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Color

Yxy(50.4091, 0.3185, 0.3133)

Conversions

Conversions Part 1

Format	Color
Hex	CAB7C4
RGB	202, 183, 196
RGB Percent	79%, 72%, 77%
CMY	0.2080, 0.2823, 0.2314
CMYK	0.00, 0.09, 0.03, 0.21
HSL	319°, 15%, 75%
HSV	319°, 9%, 79%
XYZ	51.2458, 50.4091, 59.2424
YIQ	190.1630, 7.1510, 8.0710

Conversions

Conversions Part 2

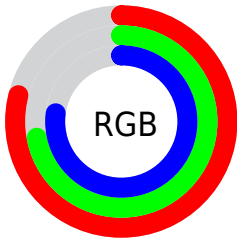
Format	Color
R _Y B	202, 183, 196
Decimal	13285316
CIE Lab	76.32, 9.02, -4.10
CIE LCh	76, 9.912, 335.543
Yxy	50.4091, 0.3185, 0.3133
Android (android.graphics.Color)	4291475396 (0xFFCAB7C4)
YUV	190.1630, 2.8776, 10.3810
Hunter-Lab	70.9994, 4.5884, 0.2276

Details

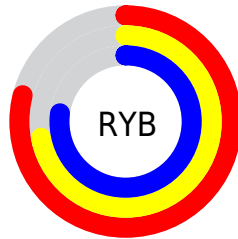
The Yxy color **50.4091, 0.3185, 0.3133** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.9692, 0.3074, 0.3452**, and the grayscale version is **51.5700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0849, 0.3147, 0.3155**, and **24.2142, 0.3205, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **42.3835, 0.3257, 0.2959**, and if you desaturate by 10%, it is **59.6469, 0.3124, 0.3300**.

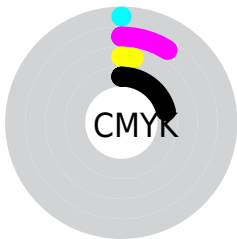
Distribution



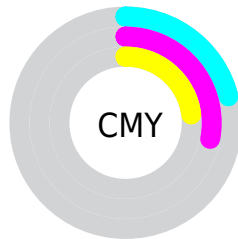
- Red (79%)
- Green (72%)
- Blue (77%)



- Red (79%)
- Yellow (72%)
- Blue (77%)



- Cyan (0%)
- Magenta (9%)
- Yellow (3%)
- Black (21%)





- Cyan (21%)
- Magenta (28%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4091, 0.3185, 0.3133 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 50.4091, 0.3185, 0.3133 by changing the saturation by 10% instead.


 50.4091, 0.3185,
0.3133

 50.4091, 0.3185,
0.3133


388.2636, 0.3157,
0.3210

 35.7386, 0.3192,
0.3114


 90.7807, 0.3175,
0.3160

 24.2324, 0.3200,
0.3091


117.2506, 0.3171,
0.3171

 15.5061, 0.3212,
0.3060


148.4224, 0.3168,
0.3180

 9.1753, 0.3227,
0.3018

184.6805, 0.3165,
0.3187

 4.8557, 0.3249,
0.2957

226.4092, 0.3163,
0.3194

 2.1629, 0.3283,
0.2861

273.9931, 0.3161,

 0.6996, 0.3360,

0.3200

0.2653

327.8164, 0.3159,
0.3205

0.0000, 0.0000,
0.0000

50.4091, 0.3185,
0.3133

50.4091, 0.3185,
0.3133

42.3835, 0.3257,
0.2959

59.6469, 0.3124,
0.3300

35.5128, 0.3342,
0.2780

70.1382, 0.3072,
0.3457

29.7447, 0.3439,
0.2604

81.9303, 0.3029,
0.3604

25.0204, 0.3549,
0.2438

89.3188, 0.2993,
0.3650

21.2754, 0.3671,
0.2292

89.6664, 0.2958,
0.3580

■ 18.4383, 0.3801,
0.2176

■ 90.0270, 0.2924,
0.3510

■ 16.4278, 0.3937,
0.2101

■ 90.4008, 0.2890,
0.3441

■ 15.1477, 0.4073,
0.2075

■ 90.7879, 0.2857,
0.3373

■ 14.4307, 0.4205,
0.2093

■ 91.1885, 0.2824,
0.3306

Harmonies

Analogous

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



50.4091, 0.3049, 0.3072



50.4091, 0.3185, 0.3133



50.4091, 0.3308, 0.3234

Triad

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



50.4091, 0.3185, 0.3133



50.4091, 0.3320, 0.3518



50.4091, 0.2878, 0.3220

Complementary

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



50.4091, 0.3185, 0.3133



55.9692, 0.3074, 0.3452

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.



50.4091, 0.2948, 0.3344



50.4091, 0.3185, 0.3133



50.4091, 0.3202, 0.3519

Square

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



50.4091, 0.3185, 0.3133



50.4091, 0.3387, 0.3455



50.4091, 0.3066, 0.3455



50.4091, 0.2874, 0.3119

Rectangle

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



50.4091, 0.3185, 0.3133



50.4091, 0.3365, 0.3312



50.4091, 0.3066, 0.3455



50.4091, 0.2895, 0.3261

Sweetspot

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



50.4113, 0.3185, 0.3133



95.0612, 0.3145, 0.3240



48.9182, 0.3029, 0.3054



20.0715, 0.3150, 0.3226



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.



50.4113, 0.3185, 0.3133



82.8333, 0.3197, 0.3103



50.0062, 0.3259, 0.3244



11.3411, 0.3185, 0.3133



9.2814, 0.4196, 0.2085



0.4922, 0.3958, 0.1954

Inverse Universe

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



50.4113, 0.3185, 0.3133



82.8333, 0.3197, 0.3103



56.3803, 0.3010, 0.3337



11.3411, 0.3185, 0.3133



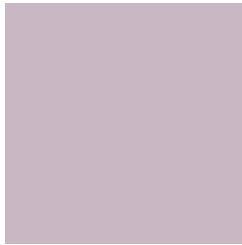
9.2814, 0.4196, 0.2085



0.4922, 0.3958, 0.1954

Previews

White Background



This preview shows how the Yxy color 50.4091, 0.3185, 0.3133 looks on a white background.

Color Contrast Check

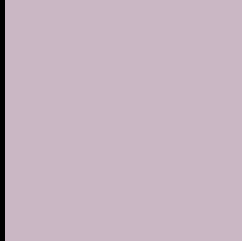
Large Text (above 18pt) WCAG AA × Fail

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 50.4091, 0.3185, 0.3133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

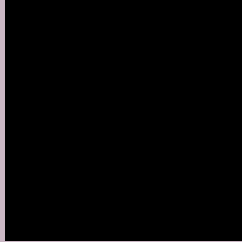
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

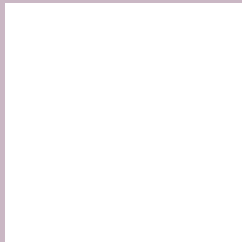
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.4091, 0.3185, 0.3133

Background



This preview shows how black text looks on a background with the Yxy color 50.4091, 0.3185, 0.3133.



This preview shows how white text looks on a background with the Yxy color 50.4091, 0.3185, 0.3133.

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

50.4091, 0.3185, 0.3133

Protanopia

50.4367, 0.3060, 0.3153

Deuteranopia

50.5490, 0.3194, 0.3133



Tritanopia

50.4547, 0.3177, 0.3121

Trichromacy



Original Color

50.4091, 0.3185, 0.3133

Protanomaly

50.6184, 0.3109, 0.3154

Deuteranomaly

50.5490, 0.3194, 0.3133

Tritanomaly

50.4547, 0.3177, 0.3121

Monochromacy



Original Color

50.4091, 0.3185, 0.3133

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.8158, 0.3147, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4091, 0.3185, 0.3133 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(202, 183, 196)` looks like.

```
.text, #text, p{  
    color:rgb(202, 183, 196)  
}
```

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(202, 183, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 183, 196) }
```

Border

The CSS property to change the border of an element to Yxy 50.4091, 0.3185, 0.3133 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(202, 183, 196) }
```

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

```
.border{ border-color:rgb(202, 183, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 183, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 183, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 183, 196);  
box-shadow:4px 4px 4px 4px rgb(202, 183,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4091, 0.3185, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 183, 196) }
```

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

```
.background{ background-color: rgb(202,  
183, 196) }
```

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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