

Converting Colors

$Yxy(48.5006, 0.3200, 0.3037)$

Have a look what the booklet for
Yxy(48.5006, 0.3200, 0.3037)
contains.

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Color

Yxy(48.5006, 0.3200, 0.3037)

Conversions

Conversions Part 1

Format	Color
Hex	CDB1C6
RGB	205, 177, 198
RGB Percent	80%, 69%, 78%
CMY	0.1959, 0.3059, 0.2235
CMYK	0.00, 0.14, 0.03, 0.20
HSL	315°, 22%, 75%
HSV	315°, 14%, 80%
XYZ	51.1037, 48.5006, 60.0948
YIQ	187.7660, 9.9470, 12.4670

Conversions

Conversions Part 2

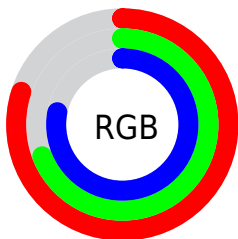
Format	Color
R _Y B	205, 177, 198
Decimal	13480390
CIE Lab	75.14, 13.73, -6.92
CIE LCh	75, 15.376, 333.264
Yxy	48.5006, 0.3200, 0.3037
Android (android.graphics.Color)	4291670470 (0xFFCDB1C6)
YUV	187.7660, 5.0454, 15.1142
Hunter-Lab	69.6424, 9.1095, -2.4120

Details

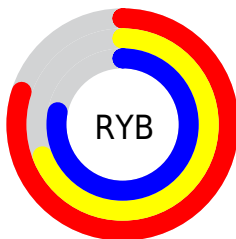
The Yxy color $48.5006, 0.3200, 0.3037$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $56.4980, 0.3062, 0.3557$, and the grayscale version is $50.1205, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7578, 0.3137, 0.3078$, and $23.0082, 0.3225, 0.2968$ is the 20% darker color. If you saturate the color by 10%, you get $40.7687, 0.3264, 0.2845$, and if you desaturate by 10%, it is $57.4620, 0.3145, 0.3223$.

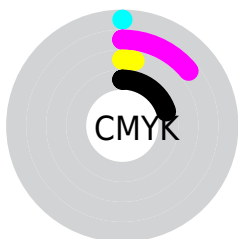
Distribution



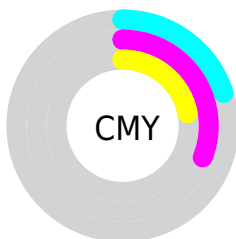
- Red (80%)
- Green (69%)
- Blue (78%)



- Red (80%)
- Yellow (69%)
- Blue (78%)



- Cyan (0%)
- Magenta (14%)
- Yellow (3%)
- Black (20%)



- Cyan (20%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5006, 0.3200, 0.3037 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 48.5006, 0.3200, 0.3037 by changing the saturation by 10% instead.


 48.5006, 0.3200,
0.3037

 48.5006, 0.3200,
0.3037

380.7730, 0.3165,
0.3160

 34.2235, 0.3208,
0.3007


 87.9493, 0.3188,
0.3081

 23.0653, 0.3219,
0.2969

113.8896, 0.3183,
0.3098

 14.6418, 0.3232,
0.2920


144.4865, 0.3179,
0.3112

 8.5684, 0.3251,
0.2853

180.1244, 0.3175,
0.3124

 4.4607, 0.3277,
0.2756

221.1875, 0.3172,
0.3135

 1.9345, 0.3316,
0.2605

268.0604, 0.3170,

 0.5690, 0.3430,

0.3144

0.2227

321.1274, 0.3167,
0.3153

0.0000, 0.0000,
0.0000

48.5006, 0.3200,
0.3037

48.5006, 0.3200,
0.3037

40.7687, 0.3264,
0.2845

57.4620, 0.3145,
0.3223

34.2057, 0.3337,
0.2652

67.6973, 0.3099,
0.3401

28.7554, 0.3419,
0.2466

79.2566, 0.3059,
0.3567

24.3546, 0.3510,
0.2294

89.6017, 0.3027,
0.3680

20.9335, 0.3608,
0.2149

89.8767, 0.2999,
0.3623

■ 18.4140, 0.3709,
0.2039

■ 90.1603, 0.2971,
0.3567

■ 16.7059, 0.3812,
0.1974

■ 90.4524, 0.2943,
0.3511

■ 15.7002, 0.3912,
0.1956

■ 90.7531, 0.2915,
0.3455

■ 15.3045, 0.3974,
0.1963

■ 91.0625, 0.2888,
0.3400

Harmonies

Analogous

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



48.5006, 0.2987, 0.2948



48.5006, 0.3200, 0.3037



48.5006, 0.3399, 0.3188

Triad

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



48.5006, 0.3200, 0.3037



48.5006, 0.3441, 0.3644



48.5006, 0.2745, 0.3191

Complementary

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



48.5006, 0.3200, 0.3037



56.4980, 0.3062, 0.3557

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.



48.5006, 0.2858, 0.3389



48.5006, 0.3200, 0.3037



48.5006, 0.3258, 0.3658

Square

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



48.5006, 0.3200, 0.3037



48.5006, 0.3540, 0.3535



48.5006, 0.3045, 0.3564



48.5006, 0.2730, 0.3029

Rectangle

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



48.5006, 0.3200, 0.3037



48.5006, 0.3494, 0.3307



48.5006, 0.3045, 0.3564



48.5006, 0.2772, 0.3256

Sweetspot

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



48.5027, 0.3200, 0.3037



93.4998, 0.3147, 0.3217



46.0393, 0.2967, 0.2937



19.7594, 0.3151, 0.3203



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.



48.5027, 0.3200, 0.3037



76.0315, 0.3215, 0.2989



47.8862, 0.3317, 0.3205



11.3537, 0.3175, 0.3118



9.5376, 0.3960, 0.1955



0.5038, 0.3783, 0.1858

Inverse Universe

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



48.5027, 0.3200, 0.3037



76.0315, 0.3215, 0.2989



57.1146, 0.2967, 0.3377



11.3537, 0.3175, 0.3118



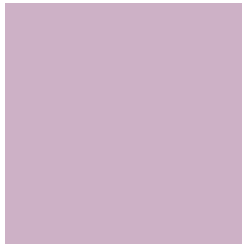
9.5376, 0.3960, 0.1955



0.5038, 0.3783, 0.1858

Previews

White Background



This preview shows how the Yxy color 48.5006, 0.3200, 0.3037 looks on a white background.

Color Contrast Check

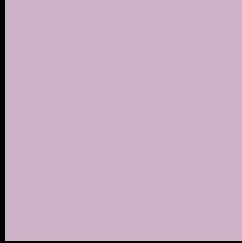
Large Text (above 18pt) WCAG AA × Fail

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 48.5006, 0.3200, 0.3037 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 48.5006, 0.3200, 0.3037

Background



This preview shows how black text looks on a background with the Yxy color 48.5006, 0.3200, 0.3037.



This preview shows how white text looks on a background with the Yxy color 48.5006, 0.3200, 0.3037.

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

48.5006, 0.3200, 0.3037

Protanopia

48.6125, 0.2982, 0.3063

Deuteranopia

48.6795, 0.3145, 0.3082



Tritanopia

48.4839, 0.3239, 0.3120

Trichromacy



Original Color

48.5006, 0.3200, 0.3037

Protanomaly

48.3412, 0.3055, 0.3042

Deuteranomaly

48.6889, 0.3172, 0.3071

Tritanomaly

48.5732, 0.3223, 0.3096

Monochromacy



Original Color

48.5006, 0.3200, 0.3037

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.5561, 0.3149, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5006, 0.3200, 0.3037 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(205, 177, 198)` looks like.

```
.text, #text, p{  
    color:rgb(205, 177, 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(205, 177, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 177, 198) }
```

Border

The CSS property to change the border of an element to Yxy 48.5006, 0.3200, 0.3037 is called "border". The border property can be set on classes, ids or directly on the HTML element.

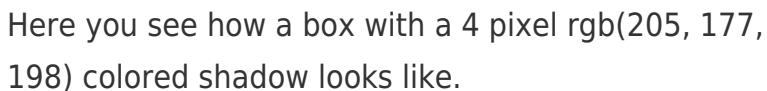
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 177, 198) }
```

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

```
.border{ border-color:rgb(205, 177, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 177, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 177, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 177, 198); box-shadow:4px 4px 4px 4px rgb(205, 177, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5006, 0.3200, 0.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 177, 198) }
```

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

```
.background{ background-color: rgb(205,  
177, 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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