

Converting Colors

$Yxy(48.7384, 0.2998, 0.4200)$

Have a look what the booklet for
Yxy(48.7384, 0.2998, 0.4200)
contains.

| | |
|---|----|
| Yxy(48.7237, 0.3000, 0.4205) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(48.7237, 0.3000, 0.4205)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 80CA8C |
| RGB | 128, 202, 140 |
| RGB Percent | 50%, 79%, 55% |
| CMY | 0.4979, 0.2079, 0.4509 |
| CMYK | 0.37, 0.00, 0.31, 0.21 |
| HSL | 130°, 41%, 65% |
| HSV | 130°, 37%, 79% |
| XYZ | 34.7613, 48.7237, 32.3859 |
| YIQ | 172.8060, -24.2020, -34.9700 |

Conversions

Conversions Part 2

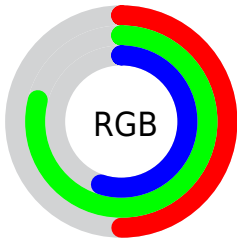
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 128, 192, 202 |
| Decimal | 8440460 |
| CIELab | 75.28, -35.88, 23.87 |
| CIELCh | 75, 43.096, 146.361 |
| Yxy | 48.7237, 0.3000, 0.4205 |
| Android (android.graphics.Color) | 4286630540 (0xFF80CA8C) |
| YUV | 172.8060, -16.1734, -39.2949 |
| Hunter-Lab | 69.8024, -33.2619, 21.3531 |

Details

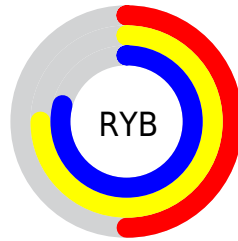
The Yxy color **48.7237, 0.3000, 0.4205** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.7247, 0.3290, 0.2522**, and the grayscale version is **41.7841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4823, 0.3030, 0.3983**, and **23.0846, 0.2949, 0.4497** is the 20% darker color. If you saturate the color by 10%, you get **46.8498, 0.2971, 0.4509**, and if you desaturate by 10%, it is **50.9903, 0.3033, 0.3920**.

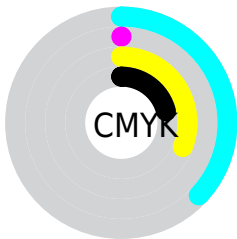
Distribution



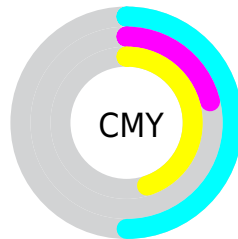
- Red (50%)
- Green (79%)
- Blue (55%)



- Red (50%)
- Yellow (75%)
- Blue (79%)



- Cyan (37%)
- Magenta (0%)
- Yellow (31%)
- Black (21%)



- Cyan (50%)
- Magenta (21%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7237, 0.3000, 0.4205 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 48.7237, 0.3000, 0.4205 by changing the saturation by 10% instead.


 48.7237, 0.3000,
0.4205


 48.7237, 0.3000,
0.4205

381.6536, 0.3076,
0.3727


 34.4004, 0.2977,
0.4331


 88.2809, 0.3031,
0.4026

 23.2013, 0.2944,
0.4496

 114.2836, 0.3041,
0.3961

 14.7422, 0.2896,
0.4721


 144.9482, 0.3050,
0.3906

 8.6387, 0.2818,
0.5045

180.6591, 0.3057,
0.3859

 4.5063, 0.2682,
0.5546

221.8007, 0.3063,
0.3819

 1.9606, 0.2554,
0.6843

268.7574, 0.3068,

 0.5844, 0.0000,

0.3784

1.0000

321.9135, 0.3072,
0.3754

0.0000, 0.0000,
0.0000

48.7237, 0.3000,
0.4205

48.7237, 0.3000,
0.4205

46.8498, 0.2971,
0.4509

50.9903, 0.3033,
0.3920

45.3405, 0.2948,
0.4822

53.6639, 0.3068,
0.3660

44.1734, 0.2934,
0.5128


56.7655, 0.3104,
0.3428

43.3213, 0.2931,
0.5408

60.3127, 0.3139,
0.3224


42.7524, 0.2940,
0.5643

64.3223, 0.3172,
0.3046

 42.4264, 0.2957,
0.5819

 68.8102, 0.3203,
0.2891

 42.3476, 0.2963,
0.5865

 70.7195, 0.3151,
0.2772

Harmonies

Analogous

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



48.7237, 0.3580, 0.4374



48.7237, 0.3000, 0.4205



48.7237, 0.2483, 0.3697

Triad

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



48.7237, 0.3000, 0.4205



48.7237, 0.2228, 0.2393



48.7237, 0.4200, 0.3337

Complementary

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



48.7237, 0.3000, 0.4205



31.7247, 0.3290, 0.2522

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.



48.7237, 0.3767, 0.2904



48.7237, 0.3000, 0.4205



48.7237, 0.2610, 0.2381

Square

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



48.7237, 0.3000, 0.4205



48.7237, 0.2071, 0.2629



48.7237, 0.3168, 0.2565



48.7237, 0.4304, 0.3795

Rectangle

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



48.7237, 0.3000, 0.4205



48.7237, 0.2239, 0.3287



48.7237, 0.3168, 0.2565



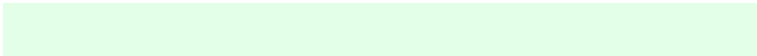
48.7237, 0.4087, 0.3186

Sweetspot

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



48.7257, 0.3000, 0.4205



93.6399, 0.3088, 0.3530



54.8630, 0.3578, 0.4223



19.8888, 0.3083, 0.3562



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.



48.7257, 0.3000, 0.4205



79.9134, 0.2976, 0.4447



49.9711, 0.2772, 0.3657



12.5661, 0.3094, 0.3490



27.2599, 0.2958, 0.5849



1.4158, 0.2868, 0.5524

Inverse Universe

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



31.7247, 0.3290, 0.2522



46.9504, 0.3335, 0.2361



30.3363, 0.3693, 0.2956



11.3714, 0.3162, 0.3098



9.9421, 0.3662, 0.1791



0.5215, 0.3559, 0.1734

Previews

White Background



This preview shows how the Yxy color 48.7237, 0.3000, 0.4205 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 48.7237, 0.3000, 0.4205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

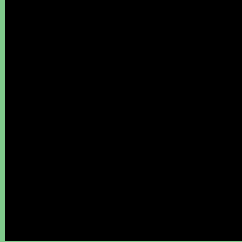
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7237, 0.3000, 0.4205

Background



This preview shows how black text looks on a background with the Yxy color 48.7237, 0.3000, 0.4205.



This preview shows how white text looks on a background with the Yxy color 48.7237, 0.3000, 0.4205.

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

48.7237, 0.3000, 0.4205

Protanopia

48.0890, 0.3686, 0.3952

Deuteranopia

48.0875, 0.3760, 0.3679



Tritanopia

48.4942, 0.2646, 0.3075

Trichromacy



Original Color

48.7237, 0.3000, 0.4205

Protanomaly

47.8951, 0.3405, 0.4053

Deuteranomaly

47.2913, 0.3453, 0.3862

Tritanomaly

48.2589, 0.2773, 0.3457

Monochromacy



Original Color

48.7237, 0.3000, 0.4205

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

44.0223, 0.3079, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7237, 0.3000, 0.4205 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(128, 202, 140)` looks like.

```
.text, #text, p{  
    color:rgb(128, 202, 140)  
}
```

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(128, 202, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 202, 140) }
```

Border

The CSS property to change the border of an element to Yxy 48.7237, 0.3000, 0.4205 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(128, 202, 140) }
```

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

```
.border{ border-color:rgb(128, 202, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 202, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 202, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 202, 140);  
box-shadow:4px 4px 4px 4px rgb(128, 202,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7237, 0.3000, 0.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 202, 140) }
```

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

```
.background{ background-color: rgb(128,  
202, 140) }
```

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