

Converting Colors

$Y_{xy}(48.1165, 0.3288, 0.2950)$

Have a look what the booklet for
Yxy(48.1165, 0.3288, 0.2950)
contains.

Yxy(48.0477, 0.3294, 0.2952)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.0477, 0.3294, 0.2952)

Conversions

Conversions Part 1

Format	Color
Hex	D9ABC8
RGB	217, 171, 200
RGB Percent	85%, 67%, 78%
CMY	0.1489, 0.3295, 0.2156
CMYK	0.00, 0.21, 0.08, 0.15
HSL	322°, 38%, 76%
HSV	322°, 21%, 85%
XYZ	53.6142, 48.0477, 61.1013
YIQ	188.0600, 18.1070, 18.7710

Conversions

Conversions Part 2

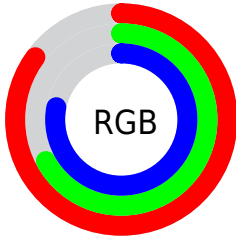
Format	Color
R _Y B	217, 171, 200
Decimal	14265288
CIE Lab	74.86, 21.51, -8.32
CIE LCh	75, 23.063, 338.857
Yxy	48.0477, 0.3294, 0.2952
Android (android.graphics.Color)	4292455368 (0xFFD9ABC8)
YUV	188.0600, 5.8864, 25.3804
Hunter-Lab	69.3164, 16.7606, -3.7416

Details

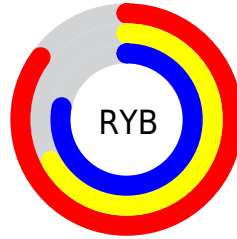
The Yxy color $48.0477, 0.3294, 0.2952$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $61.9356, 0.2991, 0.3654$, and the grayscale version is $50.2866, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.4182, 0.3140, 0.3019$, and $22.7136, 0.3344, 0.2859$ is the 20% darker color. If you saturate the color by 10%, you get $40.1480, 0.3395, 0.2786$, and if you desaturate by 10%, it is $57.3176, 0.3208, 0.3115$.

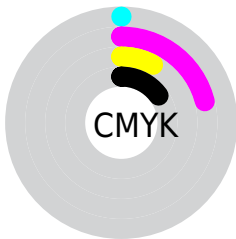
Distribution



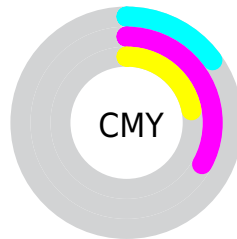
- Red (85%)
- Green (67%)
- Blue (78%)



- Red (85%)
- Yellow (67%)
- Blue (78%)



- Cyan (0%)
- Magenta (21%)
- Yellow (8%)
- Black (15%)




- Cyan (15%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0477, 0.3294, 0.2952 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 48.0477, 0.3294, 0.2952 by changing the saturation by 10% instead.

 48.0477, 0.3294,
0.2952

 48.0477, 0.3294,
0.2952


378.9812, 0.3213,
0.3116

 33.8647, 0.3313,
0.2913


 87.2754, 0.3265,
0.3010

 22.7896, 0.3338,
0.2863


113.0889, 0.3254,
0.3032

 14.4383, 0.3370,
0.2799


143.5480, 0.3245,
0.3051

 8.4261, 0.3413,
0.2712

179.0370, 0.3237,
0.3068

 4.3688, 0.3475,
0.2587

219.9405, 0.3230,
0.3082

 1.8819, 0.3570,
0.2396

266.6427, 0.3224,

 0.5375, 0.3795,

0.3095

0.1940

319.5282, 0.3218,
0.3106

0.0000, 0.0000,
0.0000

48.0477, 0.3294,
0.2952

48.0477, 0.3294,
0.2952

40.1480, 0.3395,
0.2786

57.3176, 0.3208,
0.3115

33.5461, 0.3513,
0.2622

68.0127, 0.3135,
0.3272

28.1727, 0.3647,
0.2470

80.1929, 0.3074,
0.3419

23.9494, 0.3796,
0.2339

92.1108, 0.3024,
0.3527

20.7888, 0.3957,
0.2240

92.5776, 0.2980,
0.3443

■ 18.5905, 0.4123,
0.2186

■ 93.0655, 0.2937,
0.3359

■ 17.2350, 0.4290,
0.2182

■ 93.4983, 0.2900,
0.3289

■ 16.5588, 0.4433,
0.2216

Harmonies

Analogous

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



48.0477, 0.2970, 0.2803



48.0477, 0.3294, 0.2952



48.0477, 0.3584, 0.3182

Triad

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



48.0477, 0.3294, 0.2952



48.0477, 0.3551, 0.3840



48.0477, 0.2544, 0.3082

Complementary

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



48.0477, 0.3294, 0.2952



61.9356, 0.2991, 0.3654

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.



48.0477, 0.2684, 0.3380



48.0477, 0.3294, 0.2952



48.0477, 0.3259, 0.3839

Square

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



48.0477, 0.3294, 0.2952



48.0477, 0.3734, 0.3688



48.0477, 0.2942, 0.3667



48.0477, 0.2551, 0.2863

Rectangle

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



48.0477, 0.3294, 0.2952



48.0477, 0.3711, 0.3358



48.0477, 0.2942, 0.3667



48.0477, 0.2575, 0.3176

Sweetspot

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



48.0498, 0.3294, 0.2952



90.2647, 0.3169, 0.3197



44.8080, 0.2907, 0.2725



19.1035, 0.3173, 0.3187



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.



48.0498, 0.3294, 0.2952



64.4247, 0.3333, 0.2886



47.0583, 0.3497, 0.3218



13.1889, 0.3194, 0.3144



10.0404, 0.4411, 0.2203



0.6669, 0.4164, 0.2067

Inverse Universe

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



48.0498, 0.3294, 0.2952



64.4247, 0.3333, 0.2886



63.0025, 0.2849, 0.3364



13.1889, 0.3194, 0.3144



10.0404, 0.4411, 0.2203



0.6669, 0.4164, 0.2067

Previews

White Background



This preview shows how the Yxy color 48.0477, 0.3294, 0.2952 looks on a white background.

Color Contrast Check

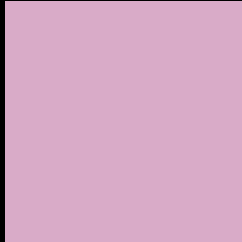
Large Text (above 18pt) WCAG AA × Fail

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 48.0477, 0.3294, 0.2952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

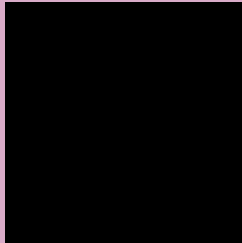
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0477, 0.3294, 0.2952

Background



This preview shows how black text looks on a background with the Yxy color 48.0477, 0.3294, 0.2952.



This preview shows how white text looks on a background with the Yxy color 48.0477, 0.3294, 0.2952.

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

48.0477, 0.3294, 0.2952

Protanopia

48.2448, 0.2922, 0.2976

Deuteranopia

48.0532, 0.3121, 0.3056



Tritanopia

47.9221, 0.3386, 0.3124

Trichromacy



Original Color

48.0477, 0.3294, 0.2952

Protanomaly

48.1173, 0.3050, 0.2971

Deuteranomaly

48.0116, 0.3183, 0.3013

Tritanomaly

47.9097, 0.3353, 0.3055

Monochromacy



Original Color

48.0477, 0.3294, 0.2952

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.4038, 0.3192, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0477, 0.3294, 0.2952 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(217, 171, 200)` looks like.

```
.text, #text, p{  
    color:rgb(217, 171, 200)  
}
```

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(217, 171, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 171, 200) }
```

Border

The CSS property to change the border of an element to Yxy 48.0477, 0.3294, 0.2952 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(217, 171, 200) }
```

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

```
.border{ border-color:rgb(217, 171, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 171, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 171, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 171, 200);  
box-shadow:4px 4px 4px 4px rgb(217, 171,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0477, 0.3294, 0.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 171, 200) }
```

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

```
.background{ background-color: rgb(217,  
171, 200) }
```

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