

Converting Colors

$Y_{xy}(45.1270, 0.3453, 0.3170)$

Have a look what the booklet for
Yxy(45.1270, 0.3453, 0.3170)
contains.

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Color

Yxy(45.2167, 0.3448, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	D4A8B2
RGB	212, 168, 178
RGB Percent	83%, 66%, 70%
CMY	0.1687, 0.3411, 0.3021
CMYK	0.00, 0.21, 0.16, 0.17
HSL	346°, 34%, 75%
HSV	346°, 21%, 83%
XYZ	49.1821, 45.2167, 48.2407
YIQ	182.2960, 23.0140, 12.4380

Conversions

Conversions Part 2

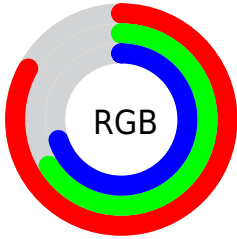
Format	Color
R _Y B	212, 168, 178
Decimal	13936818
CIE Lab	73.03, 17.65, 1.04
CIE LCh	73, 17.676, 3.369
Yxy	45.2167, 0.3448, 0.3170
Android (android.graphics.Color)	4292126898 (0xFFD4A8B2)
YUV	182.2960, -2.1179, 26.0504
Hunter-Lab	67.2434, 12.8798, 4.5355

Details

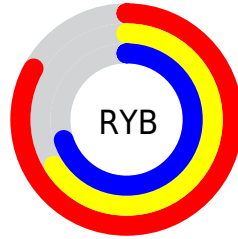
The Yxy color **45.2167, 0.3448, 0.3170** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **59.6662, 0.2881, 0.3414**, and the grayscale version is **46.9507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9759, 0.3281, 0.3181**, and **21.1395, 0.3548, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **37.3988, 0.3660, 0.3108**, and if you desaturate by 10%, it is **54.3932, 0.3276, 0.3230**.

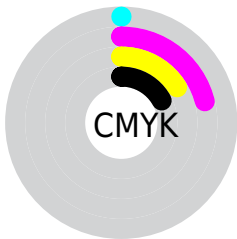
Distribution



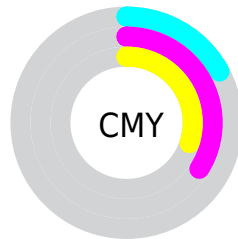
- Red (83%)
- Green (66%)
- Blue (70%)



- Red (83%)
- Yellow (66%)
- Blue (70%)



- Cyan (0%)
- Magenta (21%)
- Yellow (16%)
- Black (17%)





- Cyan (17%)
- Magenta (34%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2167, 0.3448, 0.3170 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 45.2167, 0.3448, 0.3170 by changing the saturation by 10% instead.

 45.2167, 0.3448,
0.3170

 45.2167, 0.3448,
0.3170


367.6505, 0.3286,
0.3231

 31.6281, 0.3489,
0.3155


 83.0455, 0.3389,
0.3192

 21.0776, 0.3541,
0.3134


 108.0545, 0.3367,
0.3201

 13.1808, 0.3612,
0.3107


137.6392, 0.3348,
0.3208

 7.5531, 0.3711,
0.3069

172.1838, 0.3332,
0.3214

 3.8104, 0.3860,
0.3011

212.0729, 0.3319,
0.3219

 1.5681, 0.4111,
0.2912

257.6908, 0.3307,

 0.3359, 0.5439,

0.3223

0.2436

309.4218, 0.3296,
0.3227

0.0000, 0.0000,
0.0000

45.2167, 0.3448,
0.3170

45.2167, 0.3448,
0.3170

37.3988, 0.3660,
0.3108

54.3932, 0.3276,
0.3230

30.8689, 0.3918,
0.3048

64.9824, 0.3136,
0.3286

25.5592, 0.4227,
0.2994

77.0429, 0.3023,
0.3338

21.3934, 0.4585,
0.2954

90.6279, 0.2931,
0.3385

18.2863, 0.4978,
0.2939

92.7332, 0.2871,
0.3289

■ 16.1409, 0.5380,
0.2957

■ 14.8419, 0.5746,
0.3014

■ 14.2067, 0.6021,
0.3091

Harmonies

Analogous

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



45.2167, 0.3213, 0.2995



45.2167, 0.3448, 0.3170



45.2167, 0.3597, 0.3379

Triad

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



45.2167, 0.3448, 0.3170



45.2167, 0.3279, 0.3726



45.2167, 0.2662, 0.2982

Complementary

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



45.2167, 0.3448, 0.3170



59.6662, 0.2881, 0.3414

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.



45.2167, 0.2679, 0.3171



45.2167, 0.3448, 0.3170



45.2167, 0.3028, 0.3615

Square

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



45.2167, 0.3448, 0.3170



45.2167, 0.3495, 0.3707



45.2167, 0.2811, 0.3406



45.2167, 0.2764, 0.2884

Rectangle

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



45.2167, 0.3448, 0.3170



45.2167, 0.3624, 0.3515



45.2167, 0.2811, 0.3406



45.2167, 0.2654, 0.3036

Sweetspot

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



45.2187, 0.3448, 0.3170



89.8847, 0.3207, 0.3257



45.2816, 0.3062, 0.2764



19.0138, 0.3216, 0.3253



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.



45.2187, 0.3448, 0.3170



63.0718, 0.3539, 0.3142



49.3588, 0.3512, 0.3433



12.4664, 0.3256, 0.3237



8.7856, 0.5988, 0.3072



0.5427, 0.5494, 0.2800

Inverse Universe

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



45.2187, 0.3448, 0.3170



63.0718, 0.3539, 0.3142



54.5048, 0.2810, 0.3142



12.4664, 0.3256, 0.3237



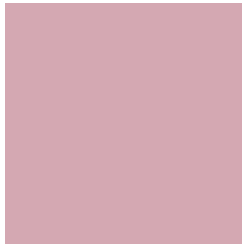
8.7856, 0.5988, 0.3072



0.5427, 0.5494, 0.2800

Previews

White Background



This preview shows how the Yxy color 45.2167, 0.3448, 0.3170 looks on a white background.

Color Contrast Check

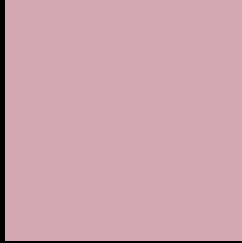
Large Text (above 18pt) WCAG AA × Fail

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 45.2167, 0.3448, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

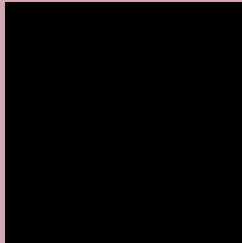
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2167, 0.3448, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 45.2167, 0.3448, 0.3170.



This preview shows how white text looks on a background with the Yxy color 45.2167, 0.3448, 0.3170.

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

45.2167, 0.3448, 0.3170

Protanopia

45.5246, 0.3104, 0.3225

Deuteranopia

45.4522, 0.3318, 0.3253



Tritanopia

45.3385, 0.3421, 0.3133

Trichromacy



Original Color

45.2167, 0.3448, 0.3170

Protanomaly

45.2438, 0.3220, 0.3201

Deuteranomaly

45.3759, 0.3366, 0.3228

Tritanomaly

45.2976, 0.3430, 0.3145

Monochromacy



Original Color

45.2167, 0.3448, 0.3170

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1179, 0.3235, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2167, 0.3448, 0.3170 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(212, 168, 178)` looks like.

```
.text, #text, p{  
    color:rgb(212, 168, 178)  
}
```

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(212, 168, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 168, 178) }
```

Border

The CSS property to change the border of an element to Yxy 45.2167, 0.3448, 0.3170 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(212, 168, 178) }
```

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

```
.border{ border-color:rgb(212, 168, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 168, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 168, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 168, 178); box-shadow:4px 4px 4px 4px rgb(212, 168, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2167, 0.3448, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 168, 178) }
```

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

```
.background{ background-color: rgb(212,  
168, 178) }
```

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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