

Converting Colors

$Y_{xy}(45.1871, 0.3433, 0.3013)$

Have a look what the booklet for
Yxy(45.1871, 0.3433, 0.3013)
contains.

Yxy(45.1988, 0.3438, 0.3020)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.1988, 0.3438, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	DBA4BB
RGB	219, 164, 187
RGB Percent	86%, 64%, 73%
CMY	0.1412, 0.3568, 0.2668
CMYK	0.00, 0.25, 0.15, 0.14
HSL	335°, 43%, 75%
HSV	335°, 25%, 86%
XYZ	51.4548, 45.1988, 53.0113
YIQ	183.0670, 25.3970, 18.8130

Conversions

Conversions Part 2

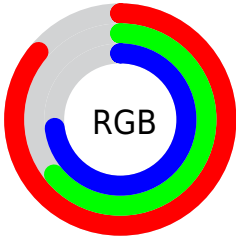
Format	Color
R _Y B	219, 164, 187
Decimal	14394555
CIE Lab	73.02, 23.79, -3.85
CIE LCh	73, 24.096, 350.805
Yxy	45.1988, 0.3438, 0.3020
Android (android.graphics.Color)	4292584635 (0xFFDBA4BB)
YUV	183.0670, 1.9390, 31.5132
Hunter-Lab	67.2301, 18.9631, 0.3105

Details

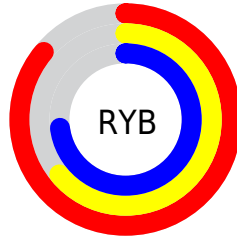
The Yxy color **45.1988, 0.3438, 0.3020** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **62.5406, 0.2895, 0.3578**, and the grayscale version is **47.3716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3941, 0.3223, 0.3054**, and **21.0961, 0.3520, 0.2947** is the 20% darker color. If you saturate the color by 10%, you get **37.5031, 0.3609, 0.2907**, and if you desaturate by 10%, it is **54.2967, 0.3296, 0.3132**.

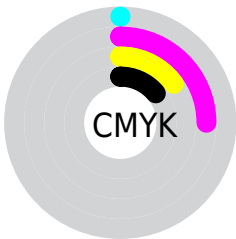
Distribution



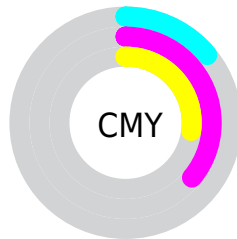
- Red (86%)
- Green (64%)
- Blue (73%)



- Red (86%)
- Yellow (64%)
- Blue (73%)



- Cyan (0%)
- Magenta (25%)
- Yellow (15%)
- Black (14%)





- Cyan (14%)
- Magenta (36%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1988, 0.3438, 0.3020 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 45.1988, 0.3438, 0.3020 by changing the saturation by 10% instead.

 45.1988, 0.3438,
0.3020

 45.1988, 0.3438,
0.3020


367.5781, 0.3283,
0.3153

 31.6140, 0.3477,
0.2987

 83.0187, 0.3382,
0.3068

 21.0669, 0.3526,
0.2945


 108.0225, 0.3361,
0.3086

 13.1729, 0.3592,
0.2890


137.6016, 0.3343,
0.3102

 7.5477, 0.3684,
0.2814

172.1402, 0.3327,
0.3115

 3.8069, 0.3820,
0.2703

212.0228, 0.3314,
0.3126

 1.5662, 0.4044,
0.2524

257.6337, 0.3302,

 0.3346, 0.4818,

0.3137

0.1791

309.3573, 0.3292,
0.3145

0.0000, 0.0000,
0.0000

45.1988, 0.3438,
0.3020

45.1988, 0.3438,
0.3020

37.5031, 0.3609,
0.2907

54.2967, 0.3296,
0.3132

31.1330, 0.3813,
0.2798

64.8561, 0.3179,
0.3238

26.0141, 0.4051,
0.2701

76.9402, 0.3082,
0.3338

22.0617, 0.4320,
0.2628

90.6068, 0.3004,
0.3430

19.1809, 0.4612,
0.2591

93.5278, 0.2934,
0.3333

■ 17.2614, 0.4912,
0.2602

■ 93.7992, 0.2911,
0.3289

■ 16.1683, 0.5199,
0.2667

■ 15.8225, 0.5333,
0.2711

Harmonies

Analogous

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



45.1988, 0.3094, 0.2823



45.1988, 0.3438, 0.3020



45.1988, 0.3705, 0.3285

Triad

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



45.1988, 0.3438, 0.3020



45.1988, 0.3464, 0.3899



45.1988, 0.2492, 0.2960

Complementary

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



45.1988, 0.3438, 0.3020



62.5406, 0.2895, 0.3578

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.



45.1988, 0.2579, 0.3253



45.1988, 0.3438, 0.3020



45.1988, 0.3130, 0.3825

Square

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



45.1988, 0.3438, 0.3020



45.1988, 0.3715, 0.3793



45.1988, 0.2808, 0.3580



45.1988, 0.2562, 0.2778

Rectangle

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



45.1988, 0.3438, 0.3020



45.1988, 0.3794, 0.3473



45.1988, 0.2808, 0.3580



45.1988, 0.2503, 0.3048

Sweetspot

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



45.2009, 0.3438, 0.3020



86.9262, 0.3211, 0.3207



43.2936, 0.2951, 0.2628



18.1129, 0.3228, 0.3191



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.



45.2009, 0.3438, 0.3020



57.9758, 0.3522, 0.2962



45.6259, 0.3645, 0.3336



13.1413, 0.3227, 0.3193



9.4033, 0.5295, 0.2690



0.6261, 0.4874, 0.2459

Inverse Universe

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



45.2009, 0.3438, 0.3020



57.9758, 0.3522, 0.2962



61.7763, 0.2756, 0.3244



13.1413, 0.3227, 0.3193



9.4033, 0.5295, 0.2690



0.6261, 0.4874, 0.2459

Previews

White Background



This preview shows how the Yxy color 45.1988, 0.3438, 0.3020 looks on a white background.

Color Contrast Check

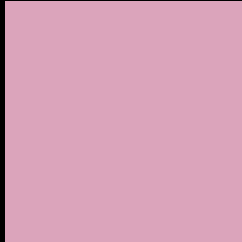
Large Text (above 18pt) WCAG AA × Fail

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 45.1988, 0.3438, 0.3020 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 45.1988, 0.3438, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 45.1988, 0.3438, 0.3020.



This preview shows how white text looks on a background with the Yxy color 45.1988, 0.3438, 0.3020.

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

45.1988, 0.3438, 0.3020

Protanopia

45.2913, 0.2986, 0.3057

Deuteranopia

45.2442, 0.3213, 0.3151



Tritanopia

45.0300, 0.3510, 0.3136

Trichromacy



Original Color

45.1988, 0.3438, 0.3020

Protanomaly

45.0749, 0.3139, 0.3039

Deuteranomaly

44.9911, 0.3290, 0.3093

Tritanomaly

45.1519, 0.3482, 0.3101

Monochromacy



Original Color

45.1988, 0.3438, 0.3020

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.2471, 0.3238, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1988, 0.3438, 0.3020 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(219, 164, 187)` looks like.

```
.text, #text, p{  
    color:rgb(219, 164, 187)  
}
```

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(219, 164, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 164, 187) }
```

Border

The CSS property to change the border of an element to Yxy 45.1988, 0.3438, 0.3020 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(219, 164, 187) }
```

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

```
.border{ border-color:rgb(219, 164, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 164, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 164, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 164, 187);  
box-shadow:4px 4px 4px 4px rgb(219, 164,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1988, 0.3438, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 164, 187) }
```

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

```
.background{ background-color: rgb(219,  
164, 187) }
```

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