

Converting Colors

$Y_{xy}(45.7189, 0.3451, 0.3103)$

Have a look what the booklet for
Yxy(45.7189, 0.3451, 0.3103)
contains.

Yxy(45.8080, 0.3451, 0.3101)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.8080, 0.3451, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	D9A7B7
RGB	217, 167, 183
RGB Percent	85%, 65%, 72%
CMY	0.1490, 0.3451, 0.2825
CMYK	0.00, 0.23, 0.16, 0.15
HSL	341°, 40%, 75%
HSV	341°, 23%, 85%
XYZ	50.9782, 45.8080, 50.9339
YIQ	183.7740, 24.6640, 15.5760

Conversions

Conversions Part 2

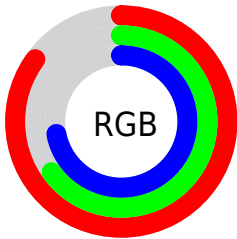
Format	Color
RYB	217, 167, 183
Decimal	14264247
CIELab	73.42, 20.81, -1.08
CIELCh	73, 20.836, 357.025
Yxy	45.8080, 0.3451, 0.3101
Android (android.graphics.Color)	4292454327 (0xFFD9A7B7)
YUV	183.7740, -0.3816, 29.1392
Hunter-Lab	67.6816, 16.0045, 2.7584

Details

The Yxy color **45.8080, 0.3451, 0.3101** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **62.0623, 0.2883, 0.3488**, and the grayscale version is **47.7937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7345, 0.3248, 0.3122**, and **21.4502, 0.3538, 0.3053** is the 20% darker color. If you saturate the color by 10%, you get **37.9315, 0.3645, 0.3014**, and if you desaturate by 10%, it is **55.0873, 0.3292, 0.3186**.

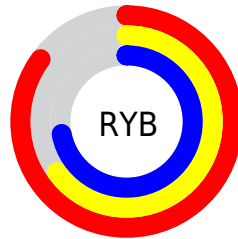
Distribution



Red (85%)

Green (65%)

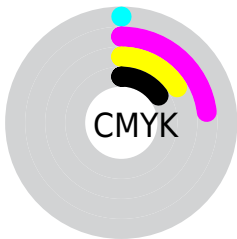
Blue (72%)



Red (85%)

Yellow (65%)

Blue (72%)

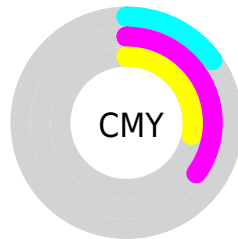


Cyan (0%)

Magenta (23%)

Yellow (16%)

Black (15%)



Cyan (15%)


Magenta (35%)


Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8080, 0.3451, 0.3101 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 45.8080, 0.3451, 0.3101 by changing the saturation by 10% instead.


 45.8080, 0.3451,
0.3101


 45.8080, 0.3451,
0.3101


370.0362, 0.3289,
0.3195

 32.0943, 0.3492,
0.3078


 83.9316, 0.3392,
0.3135

 21.4336, 0.3544,
0.3047


 109.1103, 0.3370,
0.3148

 13.4413, 0.3613,
0.3007


138.8795, 0.3351,
0.3159

 7.7331, 0.3711,
0.2952

173.6235, 0.3335,
0.3168

 3.9247, 0.3856,
0.2869

213.7268, 0.3321,
0.3176

 1.6315, 0.4097,
0.2733

259.5738, 0.3309,

 0.3787, 0.5004,

0.3184

0.2183

311.5488, 0.3298,
0.3190

0.0000, 0.0000,
0.0000

45.8080, 0.3451,
0.3101

45.8080, 0.3451,
0.3101

37.9315, 0.3645,
0.3014

55.0873, 0.3292,
0.3186

31.3830, 0.3879,
0.2930

65.8270, 0.3162,
0.3267

26.0903, 0.4157,
0.2854

78.0889, 0.3056,
0.3342

21.9716, 0.4474,
0.2798

91.9295, 0.2969,
0.3411

18.9356, 0.4822,
0.2774

93.4919, 0.2900,
0.3289

■ 16.8769, 0.5178,
0.2792

■ 15.6690, 0.5512,
0.2858

■ 15.1847, 0.5720,
0.2925

Harmonies

Analogous

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



45.8080, 0.3163, 0.2913



45.8080, 0.3451, 0.3101



45.8080, 0.3655, 0.3339

Triad

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



45.8080, 0.3451, 0.3101



45.8080, 0.3363, 0.3812



45.8080, 0.2577, 0.2966

Complementary

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



45.8080, 0.3451, 0.3101



62.0623, 0.2883, 0.3488

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.



45.8080, 0.2626, 0.3203



45.8080, 0.3451, 0.3101



45.8080, 0.3071, 0.3714

Square

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



45.8080, 0.3451, 0.3101



45.8080, 0.3599, 0.3755



45.8080, 0.2803, 0.3483



45.8080, 0.2667, 0.2829

Rectangle

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



45.8080, 0.3451, 0.3101



45.8080, 0.3709, 0.3501



45.8080, 0.2803, 0.3483



45.8080, 0.2578, 0.3036

Sweetspot

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



45.8101, 0.3451, 0.3101



88.3771, 0.3211, 0.3235



44.9765, 0.3011, 0.2695



18.7127, 0.3219, 0.3230



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.



45.8101, 0.3451, 0.3101



59.8500, 0.3548, 0.3056



48.3352, 0.3577, 0.3391



13.1197, 0.3242, 0.3216



9.2090, 0.5682, 0.2904



0.6120, 0.5217, 0.2648

Inverse Universe

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



45.8101, 0.3451, 0.3101



59.8500, 0.3548, 0.3056



58.6652, 0.2780, 0.3186



13.1197, 0.3242, 0.3216



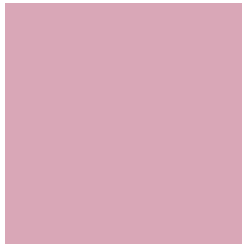
9.2090, 0.5682, 0.2904



0.6120, 0.5217, 0.2648

Previews

White Background



This preview shows how the Yxy color 45.8080, 0.3451, 0.3101 looks on a white background.

Color Contrast Check

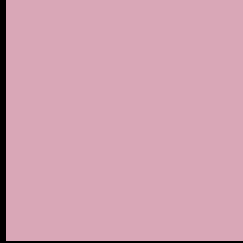
Large Text (above 18pt) WCAG AA × Fail

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 45.8080, 0.3451, 0.3101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

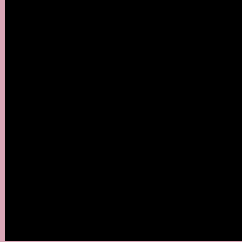
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8080, 0.3451, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 45.8080, 0.3451, 0.3101.



This preview shows how white text looks on a background with the Yxy color 45.8080, 0.3451, 0.3101.

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

45.8080, 0.3451, 0.3101

Protanopia

46.1840, 0.3057, 0.3160

Deuteranopia

46.0019, 0.3282, 0.3215



Tritanopia

45.6844, 0.3478, 0.3136

Trichromacy



Original Color

45.8080, 0.3451, 0.3101

Protanomaly

45.7171, 0.3196, 0.3139

Deuteranomaly

45.8616, 0.3341, 0.3167

Tritanomaly

45.7253, 0.3469, 0.3124

Monochromacy



Original Color

45.8080, 0.3451, 0.3101

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.0372, 0.3235, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8080, 0.3451, 0.3101 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, 167, 183)` looks like.

```
.text, #text, p{  
    color:rgb(217, 167, 183)  
}
```

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, 167, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 167, 183) }
```

Border

The CSS property to change the border of an element to Yxy 45.8080, 0.3451, 0.3101 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, 167, 183) }
```

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

```
.border{ border-color:rgb(217, 167, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 167, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 167, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 167, 183);  
box-shadow:4px 4px 4px 4px rgb(217, 167,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8080, 0.3451, 0.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 167, 183) }
```

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

```
.background{ background-color: rgb(217,  
167, 183) }
```

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