

Converting Colors

$Y_{xy}(45.8385, 0.3331, 0.3170)$

Have a look what the booklet for
Yxy(45.8385, 0.3331, 0.3170)
contains.

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Color

Yxy(45.7198, 0.3332, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	CCACB6
RGB	204, 172, 182
RGB Percent	80%, 67%, 71%
CMY	0.1999, 0.3255, 0.2863
CMYK	0.00, 0.16, 0.11, 0.20
HSL	341°, 24%, 74%
HSV	341°, 16%, 80%
XYZ	48.1018, 45.7198, 50.5415
YIQ	182.7080, 15.8620, 9.8940

Conversions

Conversions Part 2

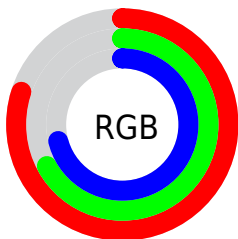
Format	Color
R_{YB}	204, 172, 182
Decimal	13413558
CIE _{Lab}	73.36, 13.27, -0.78
CIE _{LCh}	73, 13.290, 356.633
Yxy	45.7198, 0.3332, 0.3167
Android (android.graphics.Color)	4291603638 (0xFFCCACB6)
YUV	182.7080, -0.3490, 18.6731
Hunter-Lab	67.6164, 8.6548, 3.0137

Details

The Yxy color **45.7198, 0.3332, 0.3167** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **55.8634, 0.2957, 0.3417**, and the grayscale version is **47.1830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3712, 0.3250, 0.3182**, and **21.5020, 0.3398, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **37.9915, 0.3501, 0.3083**, and if you desaturate by 10%, it is **54.7025, 0.3194, 0.3247**.

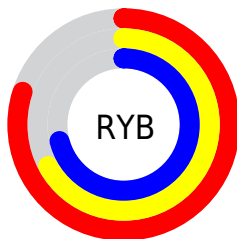
Distribution



Red (80%)

Green (67%)

Blue (71%)



Red (80%)

Yellow (67%)

Blue (71%)

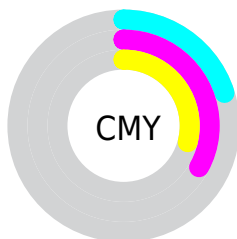


Cyan (0%)

Magenta (16%)

Yellow (11%)

Black (20%)



Cyan (20%)


Magenta (33%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7198, 0.3332, 0.3167 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 45.7198, 0.3332, 0.3167 by changing the saturation by 10% instead.

 45.7198, 0.3332,
0.3167

 45.7198, 0.3332,
0.3167


369.6810, 0.3229,
0.3229

 32.0248, 0.3358,
0.3152


 83.7995, 0.3295,
0.3189

 21.3804, 0.3391,
0.3132


108.9530, 0.3281,
0.3198

 13.4024, 0.3435,
0.3106


138.6947, 0.3269,
0.3205

 7.7062, 0.3497,
0.3069

173.4090, 0.3259,
0.3211

 3.9075, 0.3590,
0.3014

213.4805, 0.3250,
0.3216

 1.6220, 0.3746,
0.2922

259.2933, 0.3242,

 0.3723, 0.4488,

0.3221

0.2466

311.2321, 0.3235,
0.3225

0.0000, 0.0000,
0.0000

45.7198, 0.3332,
0.3167

45.7198, 0.3332,
0.3167

37.9915, 0.3501,
0.3083

54.7025, 0.3194,
0.3247

31.4557, 0.3706,
0.2999

64.9858, 0.3082,
0.3321

26.0541, 0.3953,
0.2918

76.6213, 0.2990,
0.3390

21.7213, 0.4243,
0.2849

89.6555, 0.2915,
0.3453

18.3851, 0.4572,
0.2801

91.3993, 0.2842,
0.3319

■ 15.9643, 0.4927,
0.2787

■ 91.5807, 0.2827,
0.3289

■ 14.3646, 0.5283,
0.2817

■ 13.4699, 0.5608,
0.2894

■ 13.2072, 0.5736,
0.2933

Harmonies

Analogous

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



45.7198, 0.3150, 0.3043



45.7198, 0.3332, 0.3167



45.7198, 0.3461, 0.3324

Triad

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



45.7198, 0.3332, 0.3167



45.7198, 0.3283, 0.3619



45.7198, 0.2771, 0.3087

Complementary

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



45.7198, 0.3332, 0.3167



55.8634, 0.2957, 0.3417

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.



45.7198, 0.2804, 0.3241



45.7198, 0.3332, 0.3167



45.7198, 0.3096, 0.3556

Square

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



45.7198, 0.3332, 0.3167



45.7198, 0.3431, 0.3588



45.7198, 0.2922, 0.3415



45.7198, 0.2829, 0.2994

Rectangle

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



45.7198, 0.3332, 0.3167



45.7198, 0.3496, 0.3429



45.7198, 0.2922, 0.3415



45.7198, 0.2772, 0.3134

Sweetspot

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



45.7218, 0.3332, 0.3167



91.5811, 0.3186, 0.3252



45.3185, 0.3058, 0.2895



19.3584, 0.3195, 0.3246



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.



45.7218, 0.3332, 0.3167



70.9243, 0.3388, 0.3138



47.6077, 0.3409, 0.3364



11.2704, 0.3242, 0.3218



8.3256, 0.5699, 0.2913



0.4432, 0.5135, 0.2602

Inverse Universe

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



45.7218, 0.3332, 0.3167



70.9243, 0.3388, 0.3138



53.5887, 0.2888, 0.3215



11.2704, 0.3242, 0.3218



8.3256, 0.5699, 0.2913



0.4432, 0.5135, 0.2602

Previews

White Background



This preview shows how the Yxy color 45.7198, 0.3332, 0.3167 looks on a white background.

Color Contrast Check

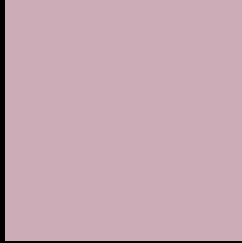
Large Text (above 18pt) WCAG AA × Fail

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 45.7198, 0.3332, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

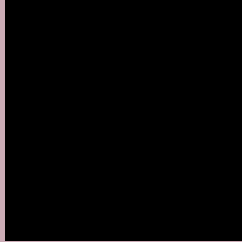
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7198, 0.3332, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 45.7198, 0.3332, 0.3167.



This preview shows how white text looks on a background with the Yxy color 45.7198, 0.3332, 0.3167.

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

45.7198, 0.3332, 0.3167

Protanopia

45.7305, 0.3097, 0.3199

Deuteranopia

45.8665, 0.3273, 0.3215



Tritanopia

45.8452, 0.3306, 0.3130

Trichromacy



Original Color

45.7198, 0.3332, 0.3167

Protanomaly

45.5006, 0.3176, 0.3175

Deuteranomaly

45.8877, 0.3301, 0.3203

Tritanomaly

45.8031, 0.3314, 0.3143

Monochromacy



Original Color

45.7198, 0.3332, 0.3167

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.7355, 0.3199, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7198, 0.3332, 0.3167 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(204, 172, 182)` looks like.

```
.text, #text, p{  
    color:rgb(204, 172, 182)  
}
```

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(204, 172, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 172, 182) }
```

Border

The CSS property to change the border of an element to Yxy 45.7198, 0.3332, 0.3167 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(204, 172, 182) }
```

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

```
.border{ border-color:rgb(204, 172, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 172, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 172, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 172, 182);  
box-shadow:4px 4px 4px 4px rgb(204, 172,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7198, 0.3332, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 172, 182) }
```

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

```
.background{ background-color: rgb(204,  
172, 182) }
```

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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