

Converting Colors

$Y_{xy}(47.8030, 0.3190, 0.2953)$

Have a look what the booklet for
Yxy(47.8030, 0.3190, 0.2953)
contains.

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Color

Yxy(47.8018, 0.3186, 0.2956)

Conversions

Conversions Part 1

Format	Color
Hex	CFAECA
RGB	207, 174, 202
RGB Percent	81%, 68%, 79%
CMY	0.1884, 0.3176, 0.2078
CMYK	0.00, 0.16, 0.02, 0.19
HSL	309°, 26%, 75%
HSV	309°, 16%, 81%
XYZ	51.5212, 47.8018, 62.3881
YIQ	187.0590, 10.6800, 15.7040

Conversions

Conversions Part 2

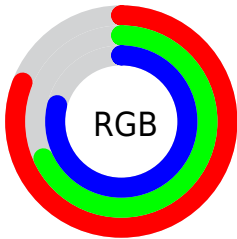
Format	Color
R_{YB}	207, 174, 202
Decimal	13610698
CIE _{Lab}	74.70, 16.73, -9.74
CIE _{LCh}	75, 19.359, 329.804
Yxy	47.8018, 0.3186, 0.2956
Android (android.graphics.Color)	4291800778 (0xFFCFAECA)
YUV	187.0590, 7.3659, 17.4883
Hunter-Lab	69.1388, 12.0223, -5.1037

Details

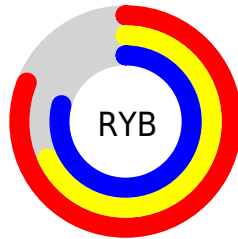
The Yxy color $47.8018, 0.3186, 0.2956$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $56.8631, 0.3073, 0.3649$, and the grayscale version is $49.6817, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.0736, 0.3138, 0.3048$, and $22.4883, 0.3195, 0.2859$ is the 20% darker color. If you saturate the color by 10%, you get $40.2664, 0.3230, 0.2740$, and if you desaturate by 10%, it is $56.5764, 0.3148, 0.3168$.

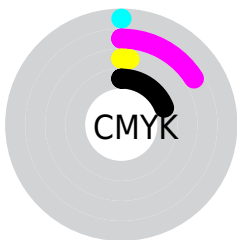
Distribution



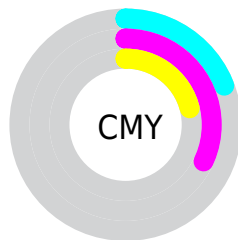
- Red (81%)
- Green (68%)
- Blue (79%)



- Red (81%)
- Yellow (68%)
- Blue (79%)



- Cyan (0%)
- Magenta (16%)
- Yellow (2%)
- Black (19%)





- Cyan (19%)
- Magenta (32%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8018, 0.3186, 0.2956 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 47.8018, 0.3186, 0.2956 by changing the saturation by 10% instead.


 47.8018, 0.3186,
0.2956

 47.8018, 0.3186,
0.2956


378.0060, 0.3159,
0.3118

 33.6700, 0.3192,
0.2917


 86.9092, 0.3177,
0.3014

 22.6402, 0.3200,
0.2868


112.6536, 0.3173,
0.3036

 14.3280, 0.3210,
0.2804


143.0376, 0.3170,
0.3055

 8.3492, 0.3222,
0.2717

178.4457, 0.3167,
0.3071

 4.3192, 0.3239,
0.2593

219.2621, 0.3164,
0.3085

 1.8537, 0.3261,
0.2401

265.8714, 0.3162,

 0.5203, 0.3349,


0.3097


0.1927


318.6579, 0.3160,
0.3108


 0.0000, 0.0000,
0.0000

 47.8018, 0.3186,
0.2956

 47.8018, 0.3186,
0.2956


 40.2664, 0.3230,
0.2740


 56.5764, 0.3148,
0.3168


 33.9079, 0.3278,
0.2526


 66.6367, 0.3114,
0.3372

 28.6675, 0.3331,
0.2324

 78.0343, 0.3085,
0.3564

 24.4795, 0.3387,
0.2141

 89.6595, 0.3061,
0.3725

 21.2707, 0.3445,
0.1988

 89.8208, 0.3044,
0.3690

■ 18.9589, 0.3503,
0.1874

■ 89.9852, 0.3027,
0.3656

■ 17.4485, 0.3560,
0.1804

■ 90.1527, 0.3010,
0.3622

■ 16.6202, 0.3613,
0.1779

■ 90.3233, 0.2993,
0.3588

■ 16.3863, 0.3634,
0.1776

■ 90.4970, 0.2976,
0.3554

Harmonies

Analogous

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



47.8018, 0.2920, 0.2856



47.8018, 0.3186, 0.2956



47.8018, 0.3446, 0.3136

Triad

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



47.8018, 0.3186, 0.2956



47.8018, 0.3544, 0.3727



47.8018, 0.2657, 0.3189

Complementary

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



47.8018, 0.3186, 0.2956



56.8631, 0.3073, 0.3649

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.



47.8018, 0.2811, 0.3444



47.8018, 0.3186, 0.2956



47.8018, 0.3320, 0.3765

Square

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



47.8018, 0.3186, 0.2956



47.8018, 0.3656, 0.3573



47.8018, 0.3052, 0.3661



47.8018, 0.2624, 0.2978

Rectangle

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



47.8018, 0.3186, 0.2956



47.8018, 0.3576, 0.3282



47.8018, 0.3052, 0.3661



47.8018, 0.2696, 0.3273

Sweetspot

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



47.8039, 0.3186, 0.2956



92.0101, 0.3144, 0.3186



44.3616, 0.2910, 0.2871



19.4627, 0.3147, 0.3171



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.



47.8039, 0.3186, 0.2956



72.4267, 0.3200, 0.2885



47.0656, 0.3325, 0.3150



11.9772, 0.3160, 0.3095



10.3393, 0.3627, 0.1772



0.5866, 0.3539, 0.1723

Inverse Universe

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



47.8039, 0.3186, 0.2956



72.4267, 0.3200, 0.2885



57.5689, 0.2963, 0.3435



11.9772, 0.3160, 0.3095



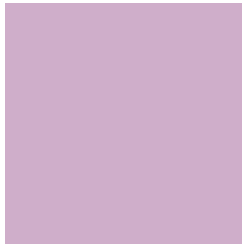
10.3393, 0.3627, 0.1772



0.5866, 0.3539, 0.1723

Previews

White Background



This preview shows how the Yxy color 47.8018, 0.3186, 0.2956 looks on a white background.

Color Contrast Check

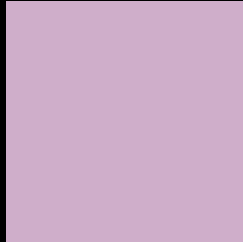
Large Text (above 18pt) WCAG AA × Fail

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 47.8018, 0.3186, 0.2956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

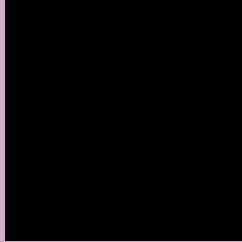
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8018, 0.3186, 0.2956

Background



This preview shows how black text looks on a background with the Yxy color 47.8018, 0.3186, 0.2956.



This preview shows how white text looks on a background with the Yxy color 47.8018, 0.3186, 0.2956.

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

47.8018, 0.3186, 0.2956

Protanopia

48.0753, 0.2922, 0.2987

Deuteranopia

47.9266, 0.3081, 0.3019



Tritanopia

47.7475, 0.3267, 0.3120

Trichromacy



Original Color

47.8018, 0.3186, 0.2956

Protanomaly

47.9974, 0.3016, 0.2981

Deuteranomaly

47.8034, 0.3124, 0.2997

Tritanomaly

47.6768, 0.3243, 0.3061

Monochromacy



Original Color

47.8018, 0.3186, 0.2956

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.7310, 0.3150, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8018, 0.3186, 0.2956 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(207, 174, 202)` looks like.

```
.text, #text, p{  
    color:rgb(207, 174, 202)  
}
```

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(207, 174, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 174, 202) }
```

Border

The CSS property to change the border of an element to Yxy 47.8018, 0.3186, 0.2956 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(207, 174, 202) }
```

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

```
.border{ border-color:rgb(207, 174, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 174, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 174, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 174, 202);  
box-shadow:4px 4px 4px 4px rgb(207, 174,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8018, 0.3186, 0.2956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 174, 202) }
```

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

```
.background{ background-color: rgb(207,  
174, 202) }
```

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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