

Converting Colors

$Y_{xy}(47.9343, 0.3069, 0.2769)$

Have a look what the booklet for
Yxy(47.9343, 0.3069, 0.2769)
contains.

Yxy(47.7802, 0.3067, 0.2764)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.7802, 0.3067, 0.2764)

Conversions

Conversions Part 1

Format	Color
Hex	CFACD9
RGB	207, 172, 217
RGB Percent	81%, 67%, 85%
CMY	0.1880, 0.3255, 0.1490
CMYK	0.05, 0.21, 0.00, 0.15
HSL	287°, 37%, 76%
HSV	287°, 21%, 85%
XYZ	53.0180, 47.7802, 72.0679
YIQ	187.5950, 6.4150, 21.4150

Conversions

Conversions Part 2

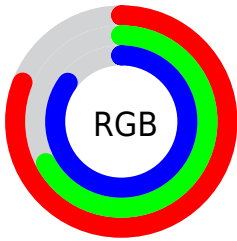
Format	Color
R _Y B	207, 172, 217
Decimal	13610201
CIE Lab	74.69, 20.70, -17.94
CIE LCh	75, 27.395, 319.085
Yxy	47.7802, 0.3067, 0.2764
Android (android.graphics.Color)	4291800281 (0xFFCFACD9)
YUV	187.5950, 14.4967, 17.0182
Hunter-Lab	69.1232, 15.9452, -13.4295

Details

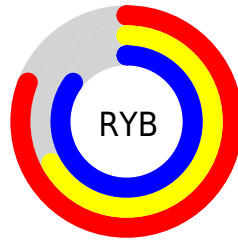
The Yxy color $47.7802, 0.3067, 0.2764$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $62.5365, 0.3172, 0.3850$, and the grayscale version is $49.9647, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.9668, 0.3139, 0.3029$, and $22.4777, 0.3042, 0.2623$ is the 20% darker color. If you saturate the color by 10%, you get $39.5064, 0.3029, 0.2498$, and if you desaturate by 10%, it is $57.4275, 0.3099, 0.3024$.

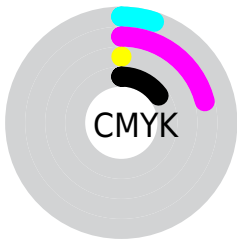
Distribution



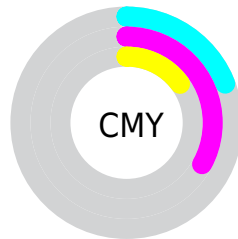
- Red (81%)
- Green (67%)
- Blue (85%)



- Red (81%)
- Yellow (67%)
- Blue (85%)



- Cyan (5%)
- Magenta (21%)
- Yellow (0%)
- Black (15%)





- Cyan (19%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7802, 0.3067, 0.2764 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 47.7802, 0.3067, 0.2764 by changing the saturation by 10% instead.


 47.7802, 0.3067,
0.2764

 47.7802, 0.3067,
0.2764


377.9202, 0.3101,
0.3015

 33.6529, 0.3058,
0.2705


 86.8771, 0.3080,
0.2853

 22.6270, 0.3045,
0.2630


112.6154, 0.3085,
0.2887

 14.3184, 0.3028,
0.2535


142.9928, 0.3089,
0.2916

 8.3424, 0.3002,
0.2408

178.3937, 0.3092,
0.2941

 4.3148, 0.2962,
0.2230

219.2025, 0.3095,
0.2963

 1.8512, 0.2891,
0.1967

265.8036, 0.3097,

 0.5188, 0.2783,

0.2983

0.1432

318.5814, 0.3099,
0.3000

0.0000, 0.0000,
0.0000

47.7802, 0.3067,
0.2764

47.7802, 0.3067,
0.2764

39.5064, 0.3029,
0.2498

57.4275, 0.3099,
0.3024

32.5346, 0.2985,
0.2234

68.5034, 0.3125,
0.3272

26.7956, 0.2935,
0.1982

81.0672, 0.3147,
0.3505

22.2117, 0.2880,
0.1753

92.7346, 0.3166,
0.3683

18.6960, 0.2822,
0.1558

93.5216, 0.3196,
0.3679

■ 16.1493, 0.2763,
0.1404

■ 94.3304, 0.3227,
0.3676

■ 14.4533, 0.2703,
0.1297

■ 95.1612, 0.3258,
0.3672

■ 13.4501, 0.2650,
0.1233

■ 96.0142, 0.3289,
0.3668

■ 96.8896, 0.3320,
0.3665

Harmonies

Analogous

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



47.7802, 0.2719, 0.2673



47.7802, 0.3067, 0.2764



47.7802, 0.3453, 0.2975

Triad

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



47.7802, 0.3067, 0.2764



47.7802, 0.3793, 0.3836



47.7802, 0.2528, 0.3267

Complementary

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



47.7802, 0.3067, 0.2764



62.5365, 0.3172, 0.3850

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.



47.7802, 0.2789, 0.3634



47.7802, 0.3067, 0.2764



47.7802, 0.3519, 0.3970

Square

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



47.7802, 0.3067, 0.2764



47.7802, 0.3886, 0.3573



47.7802, 0.3150, 0.3902



47.7802, 0.2423, 0.2935

Rectangle

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



47.7802, 0.3067, 0.2764



47.7802, 0.3673, 0.3162



47.7802, 0.3150, 0.3902



47.7802, 0.2600, 0.3392

Sweetspot

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



47.7822, 0.3067, 0.2764



89.9882, 0.3112, 0.3142



47.4351, 0.2790, 0.2855



19.0379, 0.3110, 0.3126



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.



47.7822, 0.3067, 0.2764



63.2766, 0.3051, 0.2645



48.6583, 0.3250, 0.2908



13.1222, 0.3103, 0.3057



8.1910, 0.2658, 0.1238



0.5672, 0.2752, 0.1290

Inverse Universe

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



47.6255, 0.3451, 0.3173



63.0547, 0.3541, 0.3146



61.8513, 0.3023, 0.3705



13.0984, 0.3257, 0.3239



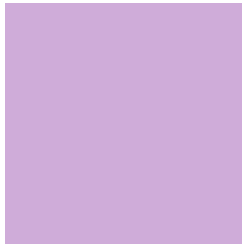
9.0719, 0.6007, 0.3083



0.6007, 0.5546, 0.2829

Previews

White Background



This preview shows how the Yxy color 47.7802, 0.3067, 0.2764 looks on a white background.

Color Contrast Check

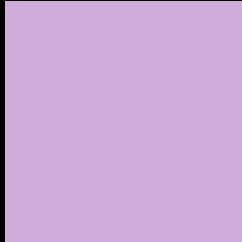
Large Text (above 18pt) WCAG AA × Fail

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 47.7802, 0.3067, 0.2764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

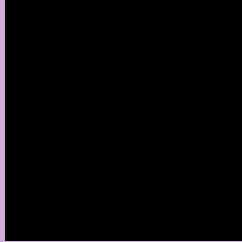
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7802, 0.3067, 0.2764

Background



This preview shows how black text looks on a background with the Yxy color 47.7802, 0.3067, 0.2764.



This preview shows how white text looks on a background with the Yxy color 47.7802, 0.3067, 0.2764.

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

47.7802, 0.3067, 0.2764

Protanopia

47.9517, 0.2765, 0.2771

Deuteranopia

48.1652, 0.2911, 0.2849



Tritanopia

47.9024, 0.3240, 0.3119

Trichromacy



Original Color

47.7802, 0.3067, 0.2764

Protanomaly

47.6260, 0.2874, 0.2768

Deuteranomaly

47.8715, 0.2966, 0.2819

Tritanomaly

47.6674, 0.3176, 0.2989

Monochromacy



Original Color

47.7802, 0.3067, 0.2764

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.1815, 0.3103, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7802, 0.3067, 0.2764 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, 172, 217)` looks like.

```
.text, #text, p{  
    color:rgb(207, 172, 217)  
}
```

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, 172, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 172, 217) }
```

Border

The CSS property to change the border of an element to Yxy 47.7802, 0.3067, 0.2764 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, 172, 217) }
```

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

```
.border{ border-color:rgb(207, 172, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 172, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 172, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 172, 217);  
box-shadow:4px 4px 4px 4px rgb(207, 172,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7802, 0.3067, 0.2764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 172, 217) }
```

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

```
.background{ background-color: rgb(207,  
172, 217) }
```

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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