

Converting Colors

$Y_{xy}(38.3799, 0.3212, 0.2416)$

Have a look what the booklet for
Yxy(38.3799, 0.3212, 0.2416)
contains.

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Color

Yxy(38.3505, 0.3207, 0.2412)

Conversions

Conversions Part 1

Format	Color
Hex	DC8AD8
RGB	220, 138, 216
RGB Percent	86%, 54%, 85%
CMY	0.1373, 0.4587, 0.1531
CMYK	0.00, 0.37, 0.02, 0.14
HSL	303°, 54%, 70%
HSV	303°, 37%, 86%
XYZ	50.9909, 38.3505, 69.6574
YIQ	171.4100, 23.8340, 41.6420

Conversions

Conversions Part 2

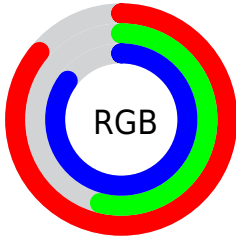
Format	Color
R _Y B	220, 138, 216
Decimal	14453464
CIE Lab	68.28, 43.01, -27.02
CIE LCh	68, 50.794, 327.856
Yxy	38.3505, 0.3207, 0.2412
Android (android.graphics.Color)	4292643544 (0xFFDC8AD8)
YUV	171.4100, 21.9829, 42.6134
Hunter-Lab	61.9278, 38.6020, -23.3409

Details

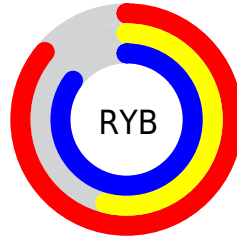
The Yxy color **38.3505, 0.3207, 0.2412** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **58.5372, 0.3051, 0.4361**, and the grayscale version is **40.8212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **17.0153, 0.3205, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **32.6096, 0.3231, 0.2194**, and if you desaturate by 10%, it is **45.3735, 0.3184, 0.2645**.

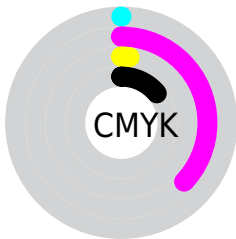
Distribution



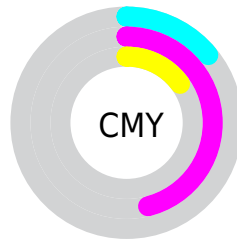
- Red (86%)
- Green (54%)
- Blue (85%)



- Red (86%)
- Yellow (54%)
- Blue (85%)



- Cyan (0%)
- Magenta (37%)
- Yellow (2%)
- Black (14%)





- Cyan (14%)
- Magenta (46%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3505, 0.3207, 0.2412 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 38.3505, 0.3207, 0.2412 by changing the saturation by 10% instead.


 38.3505, 0.3207,
0.2412


 38.3505, 0.3207,
0.2412


339.1211, 0.3179,
0.2830

 26.2548, 0.3210,
0.2314


 72.6450, 0.3200,
0.2559

 17.0144, 0.3213,
0.2193


 95.6127, 0.3196,
0.2616

 10.2447, 0.3213,
0.2038


 122.9732, 0.3193,
0.2664

 5.5615, 0.3208,
0.1834

155.1108, 0.3190,
0.2706

 2.5803, 0.3189,
0.1559

192.4100, 0.3187,
0.2743

 0.9168, 0.3133,
0.1173

235.2552, 0.3184,

 0.0000, 0.3168,

0.2776

0.0000

284.0308, 0.3182,
0.2805

■ 0.0000, 0.0000,
0.0000

■ 38.3505, 0.3207,
0.2412

■ 38.3505, 0.3207,
0.2412

■ 32.6096, 0.3231,
0.2194

■ 45.3735, 0.3184,
0.2645

■ 28.0682, 0.3255,
0.2002

■ 53.7446, 0.3162,
0.2884

■ 24.6417, 0.3277,
0.1844


■ 63.5316, 0.3141,
0.3122


■ 22.2327, 0.3298,
0.1726

■ 74.7958, 0.3122,
0.3352

■ 20.7269, 0.3317,
0.1651

■ 87.5954, 0.3105,
0.3571


 19.9722, 0.3333,
0.1618

 92.0305, 0.3096,
0.3629

 19.8266, 0.3337,
0.1612

 92.0886, 0.3090,
0.3618

 92.1472, 0.3084,
0.3606

 92.2061, 0.3078,
0.3595

Harmonies

Analogous

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



38.3505, 0.2503, 0.2178



38.3505, 0.3207, 0.2412



38.3505, 0.3976, 0.2825

Triad

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



38.3505, 0.3207, 0.2412



38.3505, 0.4262, 0.4414



38.3505, 0.1907, 0.2982

Complementary

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



38.3505, 0.3207, 0.2412



58.5372, 0.3051, 0.4361

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.



38.3505, 0.2282, 0.3771



38.3505, 0.3207, 0.2412



38.3505, 0.3635, 0.4683

Square

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



38.3505, 0.3207, 0.2412



38.3505, 0.4607, 0.3908



38.3505, 0.2909, 0.4467



38.3505, 0.1828, 0.2425

Rectangle

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



38.3505, 0.3207, 0.2412



38.3505, 0.4379, 0.3167



38.3505, 0.2909, 0.4467



38.3505, 0.1999, 0.3229

Sweetspot

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



38.3522, 0.3207, 0.2412



83.3026, 0.3149, 0.3031



28.9905, 0.2468, 0.2172



17.4272, 0.3151, 0.2999



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.



38.3522, 0.3207, 0.2412



46.9523, 0.3226, 0.2234



36.5414, 0.3607, 0.2837



13.2632, 0.3145, 0.3071



11.6429, 0.3335, 0.1611



0.7578, 0.3313, 0.1599

Inverse Universe

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



38.3522, 0.3207, 0.2412



46.9523, 0.3226, 0.2234



59.9495, 0.2820, 0.3800



13.2632, 0.3145, 0.3071



11.6429, 0.3335, 0.1611



0.7578, 0.3313, 0.1599

Previews

White Background



This preview shows how the Yxy color 38.3505, 0.3207, 0.2412 looks on a white background.

Color Contrast Check

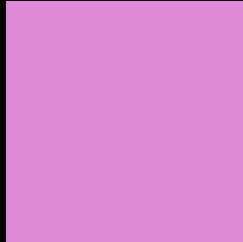
Large Text (above 18pt) WCAG AA × Fail

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 38.3505, 0.3207, 0.2412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

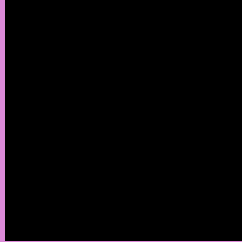
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3505, 0.3207, 0.2412

Background



This preview shows how black text looks on a background with the Yxy color 38.3505, 0.3207, 0.2412.



This preview shows how white text looks on a background with the Yxy color 38.3505, 0.3207, 0.2412.

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

38.3505, 0.3207, 0.2412

Protanopia

38.6268, 0.2453, 0.2364

Deuteranopia

38.7277, 0.2721, 0.2666



Tritanopia

38.2142, 0.3670, 0.3143

Trichromacy



Original Color

38.3505, 0.3207, 0.2412



Protanomaly

37.8705, 0.2681, 0.2368



Deuteranomaly

38.1919, 0.2882, 0.2559



Tritanomaly

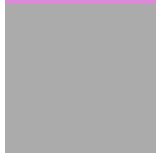
38.1859, 0.3502, 0.2858

Monochromacy



Original Color

38.3505, 0.3207, 0.2412



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

39.2029, 0.3163, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3505, 0.3207, 0.2412 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(220, 138, 216)` looks like.

```
.text, #text, p{  
    color:rgb(220, 138, 216)  
}
```

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(220, 138, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 138, 216) }
```

Border

The CSS property to change the border of an element to Yxy 38.3505, 0.3207, 0.2412 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(220, 138, 216) }
```

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

```
.border{ border-color:rgb(220, 138, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 138, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 138, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 138, 216);  
box-shadow:4px 4px 4px 4px rgb(220, 138,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3505, 0.3207, 0.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 138, 216) }
```

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

```
.background{ background-color: rgb(220,  
138, 216) }
```

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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