

Converting Colors

$Y_{xy}(38.4023, 0.3169, 0.2392)$

Have a look what the booklet for
Yxy(38.4023, 0.3169, 0.2392)
contains.

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Color

Yxy(38.4326, 0.3169, 0.2397)

Conversions

Conversions Part 1

Format	Color
Hex	DA8BDA
RGB	218, 139, 218
RGB Percent	85%, 55%, 85%
CMY	0.1450, 0.4550, 0.1450
CMYK	0.00, 0.36, 0.00, 0.14
HSL	300°, 52%, 70%
HSV	300°, 36%, 86%
XYZ	50.8106, 38.4326, 71.0931
YIQ	171.6270, 21.7250, 41.3170

Conversions

Conversions Part 2

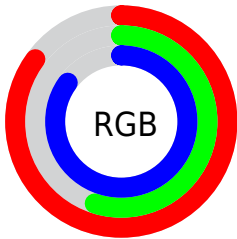
Format	Color
R _Y B	218, 139, 218
Decimal	14322650
CIE Lab	68.34, 42.27, -28.10
CIE LCh	68, 50.756, 326.388
Yxy	38.4326, 0.3169, 0.2397
Android (android.graphics.Color)	4292512730 (0xFFDA8BDA)
YUV	171.6270, 22.8619, 40.6691
Hunter-Lab	61.9940, 37.8098, -24.5964

Details

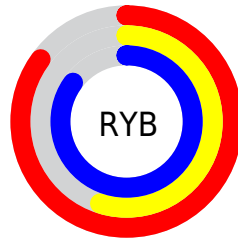
The Yxy color $38.4326, 0.3169, 0.2397$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $57.5125, 0.3076, 0.4381$, and the grayscale version is $40.9320, 0.3127, 0.3290$.

A 20% lighter version of the original color is $67.0636, 0.3155, 0.2693$, and $17.1421, 0.3166, 0.2178$ is the 20% darker color. If you saturate the color by 10%, you get $32.7381, 0.3180, 0.2170$, and if you desaturate by 10%, it is $45.3895, 0.3158, 0.2640$.

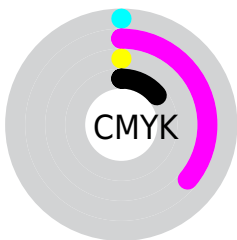
Distribution



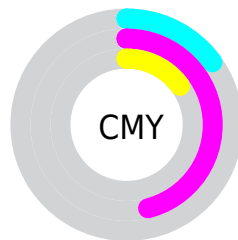
- Red (85%)
- Green (55%)
- Blue (85%)



- Red (85%)
- Yellow (55%)
- Blue (85%)



- Cyan (0%)
- Magenta (36%)
- Yellow (0%)
- Black (14%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4326, 0.3169, 0.2397 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 38.4326, 0.3169, 0.2397 by changing the saturation by 10% instead.

 38.4326, 0.3169,
0.2397


 38.4326, 0.3169,
0.2397


339.4721, 0.3161,
0.2822


 26.3186, 0.3168,
0.2298


 72.7707, 0.3169,
0.2546

 17.0621, 0.3164,
0.2175


 95.7636, 0.3168,
0.2604

 10.2788, 0.3155,
0.2018


 123.1517, 0.3167,
0.2653

 5.5842, 0.3138,
0.1813

155.3192, 0.3166,
0.2696

 2.5939, 0.3102,
0.1536

192.6506, 0.3164,
0.2733

 0.9236, 0.3020,
0.1151

235.5303, 0.3163,


 0.0000, 0.2994,


0.2766


0.0000


284.3426, 0.3162,
0.2796

 0.0000, 0.0000,
0.0000

 38.4326, 0.3169,
0.2397


 38.4326, 0.3169,
0.2397

 32.7381, 0.3180,
0.2170


 45.3895, 0.3158,
0.2640


 28.2257, 0.3189,
0.1969


 53.6727, 0.3146,
0.2890


 24.8137, 0.3197,
0.1803


 63.3479, 0.3134,
0.3138

 22.4082, 0.3203,
0.1677


 74.4751, 0.3123,
0.3379

 20.8993, 0.3207,
0.1594


 87.1106, 0.3112,
0.3608

 20.1494, 0.3209,
0.1552

 91.4951, 0.3109,
0.3678

 19.9721, 0.3209,
0.1541

 91.4954, 0.3109,
0.3678

 91.4956, 0.3109,
0.3678

 91.4959, 0.3109,
0.3678

Harmonies

Analogous

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



38.4326, 0.2474, 0.2173



38.4326, 0.3169, 0.2397



38.4326, 0.3940, 0.2803

Triad

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



38.4326, 0.3169, 0.2397



38.4326, 0.4285, 0.4392



38.4326, 0.1920, 0.3017

Complementary

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



38.4326, 0.3169, 0.2397



57.5125, 0.3076, 0.4381

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.



38.4326, 0.2309, 0.3810



38.4326, 0.3169, 0.2397



38.4326, 0.3669, 0.4678

Square

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



38.4326, 0.3169, 0.2397



38.4326, 0.4611, 0.3881



38.4326, 0.2945, 0.4489



38.4326, 0.1827, 0.2446

Rectangle

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



38.4326, 0.3169, 0.2397



38.4326, 0.4353, 0.3141



38.4326, 0.2945, 0.4489



38.4326, 0.2017, 0.3267

Sweetspot

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



38.4343, 0.3169, 0.2397



83.3904, 0.3140, 0.3018



29.3958, 0.2471, 0.2220



17.4483, 0.3141, 0.2984



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.



38.4343, 0.3169, 0.2397



48.0634, 0.3178, 0.2211



36.6597, 0.3547, 0.2804



13.2748, 0.3138, 0.3060



11.9611, 0.3209, 0.1541



0.7749, 0.3209, 0.1541

Inverse Universe

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



35.2352, 0.4001, 0.3293



42.8223, 0.4305, 0.3293



58.8304, 0.2850, 0.3839



13.0516, 0.3292, 0.3290



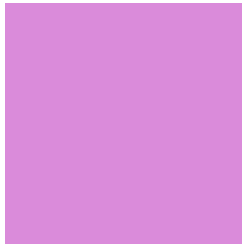
8.9299, 0.6401, 0.3300



0.5785, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 38.4326, 0.3169, 0.2397 looks on a white background.

Color Contrast Check

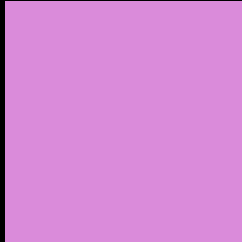
Large Text (above 18pt) WCAG AA × Fail

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 38.4326, 0.3169, 0.2397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

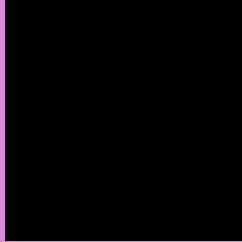
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4326, 0.3169, 0.2397

Background



This preview shows how black text looks on a background with the Yxy color 38.4326, 0.3169, 0.2397.



This preview shows how white text looks on a background with the Yxy color 38.4326, 0.3169, 0.2397.

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

38.4326, 0.3169, 0.2397

Protanopia

39.0126, 0.2438, 0.2355

Deuteranopia

38.7259, 0.2699, 0.2641



Tritanopia

38.5907, 0.3634, 0.3155

Trichromacy



Original Color

38.4326, 0.3169, 0.2397



Protanomaly

38.2044, 0.2661, 0.2358



Deuteranomaly

38.0523, 0.2849, 0.2533



Tritanomaly

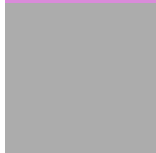
38.5410, 0.3468, 0.2868

Monochromacy



Original Color

38.4326, 0.3169, 0.2397



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.6346, 0.3145, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4326, 0.3169, 0.2397 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(218, 139, 218)` looks like.

```
.text, #text, p{  
    color:rgb(218, 139, 218)  
}
```

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(218, 139, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 139, 218) }
```

Border

The CSS property to change the border of an element to Yxy 38.4326, 0.3169, 0.2397 is called "border". The border property can be set on classes, ids or directly on the HTML element.

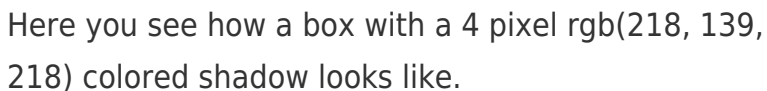
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 139, 218) }
```

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

```
.border{ border-color:rgb(218, 139, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 139, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 139, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 139, 218); box-shadow:4px 4px 4px 4px rgb(218, 139, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4326, 0.3169, 0.2397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 139, 218) }
```

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

```
.background{ background-color: rgb(218,  
139, 218) }
```

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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