

Converting Colors

$Y_{xy}(38.2073, 0.3172, 0.2287)$

Have a look what the booklet for
Yxy(38.2073, 0.3172, 0.2287)
contains.

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Color

Yxy(38.2189, 0.3174, 0.2288)

Conversions

Conversions Part 1

Format	Color
Hex	E185E1
RGB	225, 133, 225
RGB Percent	88%, 52%, 88%
CMY	0.1178, 0.4783, 0.1177
CMYK	0.00, 0.41, 0.00, 0.12
HSL	300°, 60%, 70%
HSV	300°, 41%, 88%
XYZ	53.0187, 38.2189, 75.8030
YIQ	170.9960, 25.3000, 48.1160

Conversions

Conversions Part 2

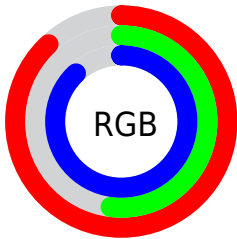
Format	Color
R _{YB}	225, 133, 225
Decimal	14779873
CIE Lab	68.18, 48.74, -32.12
CIE LCh	68, 58.370, 326.617
Yxy	38.2189, 0.3174, 0.2288
Android (android.graphics.Color)	4292969953 (0xFFE185E1)
YUV	170.9960, 26.6240, 47.3615
Hunter-Lab	61.8214, 44.8959, -29.4241

Details

The Yxy color **38.2189, 0.3174, 0.2288** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **60.5253, 0.3068, 0.4548**, and the grayscale version is **40.5792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **16.9267, 0.3172, 0.2051** is the 20% darker color. If you saturate the color by 10%, you get **32.7035, 0.3184, 0.2072**, and if you desaturate by 10%, it is **45.0570, 0.3163, 0.2525**.

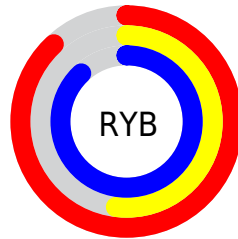
Distribution



Red (88%)

Green (52%)

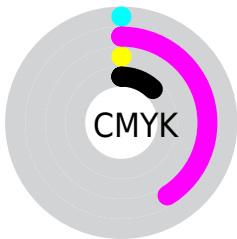
Blue (88%)



Red (88%)

Yellow (52%)

Blue (88%)

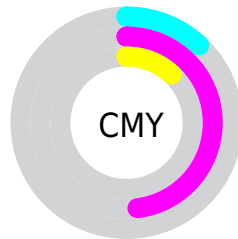


Cyan (0%)

Magenta (41%)

Yellow (0%)

Black (12%)



Cyan (12%)


Magenta (48%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2189, 0.3174, 0.2288 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 38.2189, 0.3174, 0.2288 by changing the saturation by 10% instead.


 38.2189, 0.3174,
0.2288


 38.2189, 0.3174,
0.2288


338.5581, 0.3167,
0.2759


 26.1526, 0.3171,
0.2180


 72.4435, 0.3175,
0.2452

 16.9379, 0.3166,
0.2047


 95.3707, 0.3174,
0.2516

 10.1902, 0.3155,
0.1879


 122.6869, 0.3173,
0.2570

 5.5252, 0.3132,
0.1664

154.7766, 0.3172,
0.2618

 2.5586, 0.3088,
0.1378

192.0242, 0.3171,
0.2660

 0.9059, 0.2991,
0.0995

234.8140, 0.3169,


 0.0000, 0.2904,


0.2697


0.0000

283.5305, 0.3168,
0.2729


 0.0000, 0.0000,
0.0000


 38.2189, 0.3174,
0.2288

 38.2189, 0.3174,
0.2288


 32.7035, 0.3184,
0.2072

 45.0570, 0.3163,
0.2525


 28.4208, 0.3193,
0.1886


 53.2901, 0.3151,
0.2773


 25.2774, 0.3200,
0.1738


 62.9916, 0.3140,
0.3024

 23.1648, 0.3205,
0.1632


 74.2279, 0.3128,
0.3269

 21.9531, 0.3207,
0.1569


 87.0616, 0.3117,
0.3504

 21.4329, 0.3209,
0.1541

 92.9612, 0.3113,
0.3599

 92.9619, 0.3113,
0.3599

 92.9626, 0.3113,
0.3599

 92.9633, 0.3113,
0.3599

Harmonies

Analogous

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



38.2189, 0.2387, 0.2038



38.2189, 0.3174, 0.2288



38.2189, 0.4066, 0.2737

Triad

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



38.2189, 0.3174, 0.2288



38.2189, 0.4422, 0.4522



38.2189, 0.1762, 0.2953

Complementary

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



38.2189, 0.3174, 0.2288



60.5253, 0.3068, 0.4548

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.



38.2189, 0.2183, 0.3883



38.2189, 0.3174, 0.2288



38.2189, 0.3713, 0.4889

Square

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



38.2189, 0.3174, 0.2288



38.2189, 0.4817, 0.3929



38.2189, 0.2894, 0.4693



38.2189, 0.1668, 0.2317

Rectangle

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



38.2189, 0.3174, 0.2288



38.2189, 0.4544, 0.3110



38.2189, 0.2894, 0.4693



38.2189, 0.1865, 0.3242

Sweetspot

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



38.2206, 0.3174, 0.2288



82.0055, 0.3141, 0.2993



27.6308, 0.2372, 0.2056



17.1721, 0.3143, 0.2960



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.



38.2206, 0.3174, 0.2288



44.4540, 0.3183, 0.2103



36.1055, 0.3623, 0.2740



13.9355, 0.3138, 0.3059



12.3529, 0.3209, 0.1541



0.8563, 0.3209, 0.1541

Inverse Universe

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



34.4830, 0.4171, 0.3293



38.8523, 0.4516, 0.3294



62.0228, 0.2820, 0.3924



13.7006, 0.3292, 0.3290



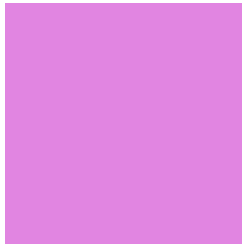
9.2244, 0.6401, 0.3300



0.6394, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 38.2189, 0.3174, 0.2288 looks on a white background.

Color Contrast Check

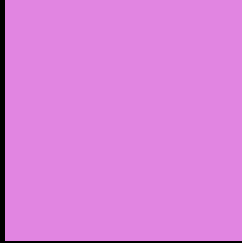
Large Text (above 18pt) WCAG AA × Fail

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 38.2189, 0.3174, 0.2288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

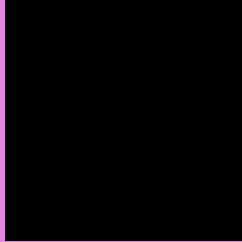
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2189, 0.3174, 0.2288

Background



This preview shows how black text looks on a background with the Yxy color 38.2189, 0.3174, 0.2288.



This preview shows how white text looks on a background with the Yxy color 38.2189, 0.3174, 0.2288.

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

38.2189, 0.3174, 0.2288

Protanopia

38.7088, 0.2334, 0.2220

Deuteranopia

38.5354, 0.2621, 0.2564



Tritanopia

37.9696, 0.3728, 0.3145

Trichromacy



Original Color

38.2189, 0.3174, 0.2288



Protanomaly

37.5088, 0.2582, 0.2228



Deuteranomaly

37.7062, 0.2803, 0.2443



Tritanomaly

37.8250, 0.3517, 0.2805

Monochromacy



Original Color

38.2189, 0.3174, 0.2288



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.9519, 0.3148, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2189, 0.3174, 0.2288 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(225, 133, 225)` looks like.

```
.text, #text, p{  
    color:rgb(225, 133, 225)  
}
```

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(225, 133, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 133, 225) }
```

Border

The CSS property to change the border of an element to Yxy 38.2189, 0.3174, 0.2288 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(225, 133, 225) }
```

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

```
.border{ border-color:rgb(225, 133, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 133, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 133, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 133, 225);  
box-shadow:4px 4px 4px 4px rgb(225, 133,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2189, 0.3174, 0.2288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 133, 225) }
```

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

```
.background{ background-color: rgb(225,  
133, 225) }
```

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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