

Converting Colors

$Y_{xy}(38.3205, 0.3455, 0.2245)$

Have a look what the booklet for
Yxy(38.3205, 0.3455, 0.2245)
contains.

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Color

Yxy(38.3205, 0.3455, 0.2245)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FA75DE |
| RGB | 250, 117, 222 |
| RGB Percent | 98%, 46%, 87% |
| CMY | 0.0196, 0.5412, 0.1294 |
| CMYK | 0.00, 0.53, 0.11, 0.02 |
| HSL | 313°, 93%, 72% |
| HSV | 313°, 53%, 98% |
| XYZ | 58.9743, 38.3205, 73.3978 |
| YIQ | 168.7370, 45.5630, 60.8510 |

Conversions

Conversions Part 2

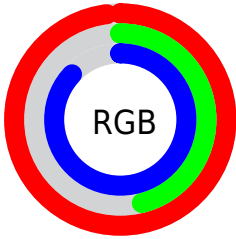
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 250, 117, 222 |
| Decimal | 16414174 |
| CIE _{Lab} | 68.26, 63.29, -30.09 |
| CIE _{LCh} | 68, 70.077, 334.568 |
| Yxy | 38.3205, 0.3455, 0.2245 |
| Android (android.graphics.Color) | 4294604254 (0xFFFA75DE) |
| YUV | 168.7370, 26.2587, 71.2677 |
| Hunter-Lab | 61.9036, 61.7223, -26.9665 |

Details

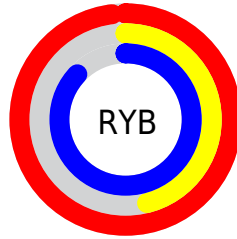
The Yxy color **38.3205, 0.3455, 0.2245** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **74.2062, 0.2924, 0.4652**, and the grayscale version is **39.3911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **16.9943, 0.3521, 0.1993** is the 20% darker color. If you saturate the color by 10%, you get **32.9761, 0.3537, 0.2092**, and if you desaturate by 10%, it is **45.2326, 0.3378, 0.2425**.

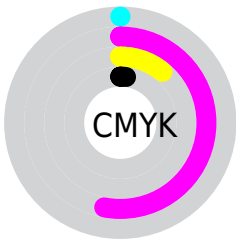
Distribution



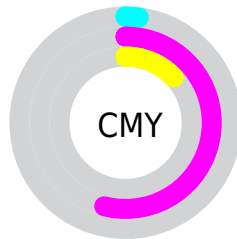
- Red (98%)
- Green (46%)
- Blue (87%)



- Red (98%)
- Yellow (46%)
- Blue (87%)



- Cyan (0%)
- Magenta (53%)
- Yellow (11%)
- Black (2%)





- Cyan (2%)
- Magenta (54%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3205, 0.3455, 0.2245 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 38.3205, 0.3455, 0.2245 by changing the saturation by 10% instead.


 38.3205, 0.3455,
0.2245


 38.3205, 0.3455,
0.2245


338.9928, 0.3309,
0.2731


 26.2315, 0.3486,
0.2135


 72.5991, 0.3406,
0.2413

 16.9969, 0.3524,
0.2000


 95.5576, 0.3386,
0.2479

 10.2323, 0.3569,
0.1830


 122.9079, 0.3369,
0.2536

 5.5533, 0.3623,
0.1614

155.0347, 0.3354,
0.2585

 2.5754, 0.3687,
0.1330

192.3221, 0.3341,
0.2628

 0.9143, 0.3756,
0.0955

235.1547, 0.3329,

 0.0000, 0.3988,

0.2666

0.0000

283.9168, 0.3318,
0.2701

■ 0.0000, 0.3100,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.3205, 0.3455,
0.2245

■ 38.3205, 0.3455,
0.2245

■ 32.9761, 0.3537,
0.2092

■ 45.2326, 0.3378,
0.2425

■ 29.0671, 0.3621,
0.1976

■ 53.8200, 0.3307,
0.2622

■ 26.4484, 0.3705,
0.1906

■ 64.1870, 0.3244,
0.2826

■ 24.9417, 0.3786,
0.1882

■ 76.4278, 0.3189,
0.3030

 24.3747, 0.3839,
0.1889

 90.6301, 0.3141,
0.3228

 98.9763, 0.3104,
0.3303

 99.0666, 0.3096,
0.3290

Harmonies

Analogous

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



38.3205, 0.2464, 0.1898



38.3205, 0.3455, 0.2245



38.3205, 0.4501, 0.2794

Triad

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



38.3205, 0.3455, 0.2245



38.3205, 0.4405, 0.4855



38.3205, 0.1482, 0.2621

Complementary

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



38.3205, 0.3455, 0.2245



74.2062, 0.2924, 0.4652

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.



38.3205, 0.1841, 0.3677



38.3205, 0.3455, 0.2245



38.3205, 0.3515, 0.5236

Square

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



38.3205, 0.3455, 0.2245



38.3205, 0.5023, 0.4162



38.3205, 0.2576, 0.4813



38.3205, 0.1480, 0.2018

Rectangle

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



38.3205, 0.3455, 0.2245



38.3205, 0.4980, 0.3226



38.3205, 0.2576, 0.4813



38.3205, 0.1559, 0.2927

Sweetspot

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



38.3223, 0.3455, 0.2245



76.1334, 0.3204, 0.2973



25.5178, 0.2274, 0.1656



15.7209, 0.3215, 0.2931



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.



38.3223, 0.3455, 0.2245



34.0807, 0.3544, 0.2081



35.4791, 0.4206, 0.2877



17.4583, 0.3170, 0.3105



12.9493, 0.3827, 0.1882



1.2145, 0.3738, 0.1833

Inverse Universe

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



38.3223, 0.3455, 0.2245



34.0807, 0.3544, 0.2081



76.8202, 0.2619, 0.3783



17.4583, 0.3170, 0.3105



12.9493, 0.3827, 0.1882



1.2145, 0.3738, 0.1833

Previews

White Background



This preview shows how the Yxy color 38.3205, 0.3455, 0.2245 looks on a white background.

Color Contrast Check

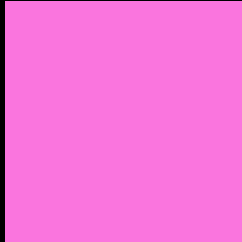
Large Text (above 18pt) WCAG AA × Fail

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 38.3205, 0.3455, 0.2245 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 38.3205, 0.3455, 0.2245

Background



This preview shows how black text looks on a background with the Yxy color 38.3205, 0.3455, 0.2245.



This preview shows how white text looks on a background with the Yxy color 38.3205, 0.3455, 0.2245.

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

38.3205, 0.3455, 0.2245

Protanopia

38.8393, 0.2287, 0.2159

Deuteranopia

38.6751, 0.2685, 0.2628



Tritanopia

38.2495, 0.4194, 0.3183

Trichromacy



Original Color

38.3205, 0.3455, 0.2245



Protanomaly

36.5686, 0.2610, 0.2144



Deuteranomaly

36.9536, 0.2927, 0.2434



Tritanomaly

37.8680, 0.3924, 0.2808

Monochromacy



Original Color

38.3205, 0.3455, 0.2245



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.4493, 0.3248, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3205, 0.3455, 0.2245 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(250, 117, 222)` looks like.

```
.text, #text, p{  
    color:rgb(250, 117, 222)  
}
```

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(250, 117, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 117, 222) }
```

Border

The CSS property to change the border of an element to Yxy 38.3205, 0.3455, 0.2245 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(250, 117, 222) }
```

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

```
.border{ border-color:rgb(250, 117, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 117, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 117, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 117, 222);  
box-shadow:4px 4px 4px 4px rgb(250, 117,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3205, 0.3455, 0.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 117, 222) }
```

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

```
.background{ background-color: rgb(250,  
117, 222) }
```

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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