

Converting Colors

$Y_{xy}(39.0541, 0.3398, 0.2359)$

Have a look what the booklet for
Yxy(39.0541, 0.3398, 0.2359)
contains.

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Color

Yxy(38.9734, 0.3397, 0.2357)

Conversions

Conversions Part 1

Format	Color
Hex	F080D9
RGB	240, 128, 217
RGB Percent	94%, 50%, 85%
CMY	0.0590, 0.4979, 0.1490
CMYK	0.00, 0.47, 0.10, 0.06
HSL	312°, 79%, 72%
HSV	312°, 47%, 94%
XYZ	56.1700, 38.9734, 70.2083
YIQ	171.6340, 38.1830, 51.4230

Conversions

Conversions Part 2

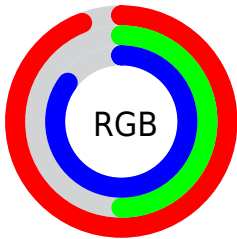
Format	Color
R _Y B	240, 128, 217
Decimal	15761625
CIE Lab	68.73, 54.37, -26.70
CIE LCh	69, 60.567, 333.848
Yxy	38.9734, 0.3397, 0.2357
Android (android.graphics.Color)	4293951705 (0xFFFF080D9)
YUV	171.6340, 22.3654, 59.9570
Hunter-Lab	62.4287, 51.3545, -22.9785

Details

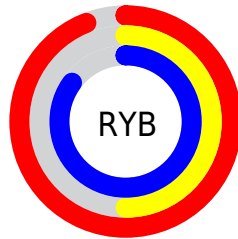
The Yxy color **38.9734, 0.3397, 0.2357** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **69.1258, 0.2945, 0.4460**, and the grayscale version is **40.9343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **17.4513, 0.3456, 0.2134** is the 20% darker color. If you saturate the color by 10%, you get **33.1840, 0.3474, 0.2184**, and if you desaturate by 10%, it is **46.2542, 0.3326, 0.2550**.

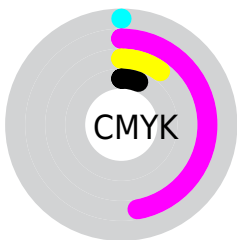
Distribution



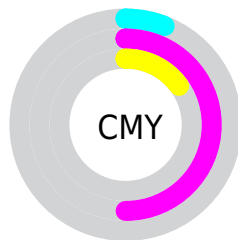
- Red (94%)
- Green (50%)
- Blue (85%)



- Red (94%)
- Yellow (50%)
- Blue (85%)



- Cyan (0%)
- Magenta (47%)
- Yellow (10%)
- Black (6%)




- Cyan (6%)
- Magenta (50%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9734, 0.3397, 0.2357 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 38.9734, 0.3397, 0.2357 by changing the saturation by 10% instead.

 38.9734, 0.3397,
0.2357

 38.9734, 0.3397,
0.2357


341.7774, 0.3276,
0.2796


 26.7390, 0.3423,
0.2256


 73.5977, 0.3356,
0.2510

 17.3773, 0.3455,
0.2131


 96.7564, 0.3340,
0.2570

 10.5039, 0.3493,
0.1973


 124.3253, 0.3326,
0.2621

 5.7343, 0.3539,
0.1767

156.6889, 0.3313,
0.2665

 2.6842, 0.3594,
0.1493

194.2315, 0.3302,
0.2704

 0.9692, 0.3655,
0.1117

237.3375, 0.3292,

 0.0000, 0.3928,

0.2738

0.0000

286.3913, 0.3284,
0.2769

■ 0.0000, 0.2178,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9734, 0.3397,
0.2357

■ 38.9734, 0.3397,
0.2357

■ 33.1840, 0.3474,
0.2184

■ 46.2542, 0.3326,
0.2550

■ 28.7746, 0.3554,
0.2042


■ 55.1166, 0.3262,
0.2753

■ 25.6268, 0.3636,
0.1940

■ 65.6500, 0.3205,
0.2959

■ 23.6001, 0.3716,
0.1884


■ 77.9357, 0.3156,
0.3161


 22.5169, 0.3793,
0.1874

 92.0496, 0.3114,
0.3354

 22.2693, 0.3819,
0.1877

 96.7263, 0.3083,
0.3373

 97.0336, 0.3055,
0.3324

 97.2593, 0.3035,
0.3290

Harmonies

Analogous

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



38.9734, 0.2537, 0.2047



38.9734, 0.3397, 0.2357



38.9734, 0.4293, 0.2853

Triad

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



38.9734, 0.3397, 0.2357



38.9734, 0.4298, 0.4676



38.9734, 0.1674, 0.2747

Complementary

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



38.9734, 0.3397, 0.2357



69.1258, 0.2945, 0.4460

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.



38.9734, 0.2020, 0.3657



38.9734, 0.3397, 0.2357



38.9734, 0.3522, 0.4956

Square

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



38.9734, 0.3397, 0.2357



38.9734, 0.4806, 0.4092



38.9734, 0.2688, 0.4586



38.9734, 0.1656, 0.2188

Rectangle

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



38.9734, 0.3397, 0.2357



38.9734, 0.4714, 0.3247



38.9734, 0.2688, 0.4586



38.9734, 0.1751, 0.3018

Sweetspot

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



38.9752, 0.3397, 0.2357



78.8369, 0.3192, 0.3012



28.2590, 0.2402, 0.1880



16.2539, 0.3203, 0.2968



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.



38.9752, 0.3397, 0.2357



38.3673, 0.3470, 0.2192



36.5602, 0.4007, 0.2922



15.9726, 0.3169, 0.3104



12.2143, 0.3807, 0.1871



1.0300, 0.3713, 0.1819

Inverse Universe

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



38.9752, 0.3397, 0.2357



38.3673, 0.3470, 0.2192



71.3666, 0.2664, 0.3711



15.9726, 0.3169, 0.3104



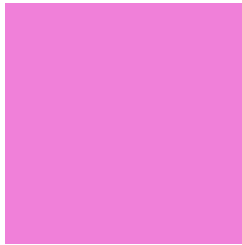
12.2143, 0.3807, 0.1871



1.0300, 0.3713, 0.1819

Previews

White Background



This preview shows how the Yxy color 38.9734, 0.3397, 0.2357 looks on a white background.

Color Contrast Check

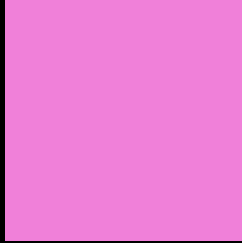
Large Text (above 18pt) WCAG AA × Fail

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 38.9734, 0.3397, 0.2357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

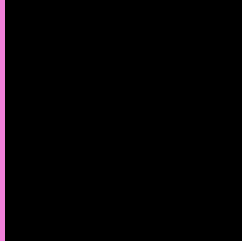
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9734, 0.3397, 0.2357

Background



This preview shows how black text looks on a background with the Yxy color 38.9734, 0.3397, 0.2357.



This preview shows how white text looks on a background with the Yxy color 38.9734, 0.3397, 0.2357.

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

38.9734, 0.3397, 0.2357

Protanopia

39.3149, 0.2382, 0.2270

Deuteranopia

39.2948, 0.2738, 0.2682



Tritanopia

38.9695, 0.3984, 0.3166

Trichromacy



Original Color

38.9734, 0.3397, 0.2357



Protanomaly

37.9196, 0.2685, 0.2283



Deuteranomaly

38.2077, 0.2952, 0.2536



Tritanomaly

38.8588, 0.3775, 0.2855

Monochromacy



Original Color

38.9734, 0.3397, 0.2357



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.2781, 0.3232, 0.2886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9734, 0.3397, 0.2357 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(240, 128, 217)` looks like.

```
.text, #text, p{  
    color:rgb(240, 128, 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(240, 128, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 128, 217) }
```

Border

The CSS property to change the border of an element to Yxy 38.9734, 0.3397, 0.2357 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(240, 128, 217) }
```

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

```
.border{ border-color:rgb(240, 128, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 128, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 128, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 128, 217);  
box-shadow:4px 4px 4px 4px rgb(240, 128,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9734, 0.3397, 0.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 128, 217) }
```

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

```
.background{ background-color: rgb(240,  
128, 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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