

Converting Colors

$Y_{xy}(38.1898, 0.4062, 0.2844)$

Have a look what the booklet for
Yxy(38.1898, 0.4062, 0.2844)
contains.

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Color

Yxy(38.1898, 0.4062, 0.2844)

Conversions

Conversions Part 1

Format	Color
Hex	FC7DA8
RGB	252, 125, 168
RGB Percent	99%, 49%, 66%
CMY	0.0118, 0.5098, 0.3411
CMYK	0.00, 0.50, 0.33, 0.01
HSL	340°, 95%, 74%
HSV	340°, 50%, 99%
XYZ	54.5453, 38.1898, 41.5468
YIQ	167.8750, 61.8890, 40.2970

Conversions

Conversions Part 2

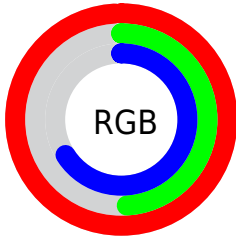
Format	Color
RYB	252, 125, 168
Decimal	16547240
CIELab	68.16, 52.75, 0.04
CIElCh	68, 52.745, 0.045
Yxy	38.1898, 0.4062, 0.2844
Android (android.graphics.Color)	4294737320 (0xFFFC7DA8)
YUV	167.8750, 0.0616, 73.7776
Hunter-Lab	61.7979, 49.4051, 3.3977

Details

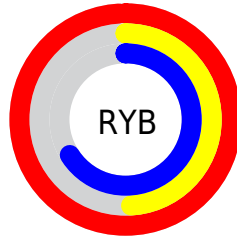
The Yxy color **38.1898, 0.4062, 0.2844** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.5808, 0.2660, 0.3815**, and the grayscale version is **39.0724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6355, 0.3413, 0.2863**, and **16.8477, 0.4348, 0.2705** is the 20% darker color. If you saturate the color by 10%, you get **32.0180, 0.4363, 0.2778**, and if you desaturate by 10%, it is **46.0632, 0.3801, 0.2928**.

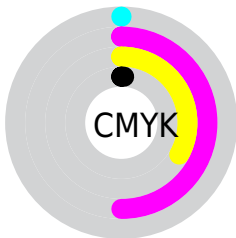
Distribution



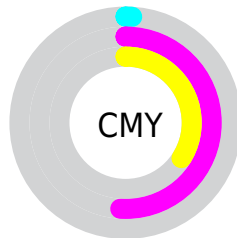
- Red (99%)
- Green (49%)
- Blue (66%)



- Red (99%)
- Yellow (49%)
- Blue (66%)



- Cyan (0%)
- Magenta (50%)
- Yellow (33%)
- Black (1%)





- Cyan (1%)
- Magenta (51%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1898, 0.4062, 0.2844 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 38.1898, 0.4062, 0.2844 by changing the saturation by 10% instead.


 38.1898, 0.4062,
0.2844


 38.1898, 0.4062,
0.2844


338.4335, 0.3581,
0.3074

 26.1300, 0.4186,
0.2785


 72.3990, 0.3885,
0.2929

 16.9209, 0.4346,
0.2708


 95.3171, 0.3819,
0.2960

 10.1781, 0.4562,
0.2605


 122.6236, 0.3763,
0.2987

 5.5172, 0.4868,
0.2459

154.7027, 0.3716,
0.3009

 2.5538, 0.5330,
0.2238

191.9388, 0.3676,
0.3029

 0.9035, 0.6091,
0.1874

234.7164, 0.3640,


 0.0000, 1.0000,


0.3045


0.0000


283.4198, 0.3609,
0.3060


 0.0000, 0.0000,
0.0000

 38.1898, 0.4062,
0.2844


 38.1898, 0.4062,
0.2844

 32.0180, 0.4363,
0.2778


 46.0632, 0.3801,
0.2928


 27.4141, 0.4698,
0.2741


 55.7470, 0.3582,
0.3019


 24.2338, 0.5047,
0.2746

 67.3478, 0.3401,
0.3112

 22.3027, 0.5383,
0.2802

 80.9621, 0.3252,
0.3202

 21.3554, 0.5668,
0.2896

 96.6799, 0.3131,
0.3287

99.4343, 0.3109,
0.3290

Harmonies

Analogous

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



38.1898, 0.3267, 0.2408



38.1898, 0.4062, 0.2844



38.1898, 0.4594, 0.3387

Triad

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



38.1898, 0.4062, 0.2844



38.1898, 0.3594, 0.4744



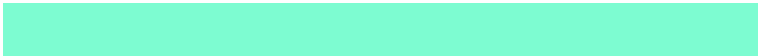
38.1898, 0.1791, 0.2362

Complementary

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



38.1898, 0.4062, 0.2844



78.5808, 0.2660, 0.3815

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.



38.1898, 0.1849, 0.2913



38.1898, 0.4062, 0.2844



38.1898, 0.2844, 0.4481

Square

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



38.1898, 0.4062, 0.2844



38.1898, 0.4259, 0.4482



38.1898, 0.2211, 0.3727



38.1898, 0.2018, 0.2123

Rectangle

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



38.1898, 0.4062, 0.2844



38.1898, 0.4686, 0.3772



38.1898, 0.2211, 0.3727



38.1898, 0.1778, 0.2510

Sweetspot

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



38.1917, 0.4062, 0.2844



76.4534, 0.3317, 0.3161



35.0425, 0.2791, 0.1925



15.7393, 0.3349, 0.3142



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.



38.1917, 0.4062, 0.2844



33.0895, 0.4352, 0.2780



42.1393, 0.4461, 0.3492



17.3222, 0.3241, 0.3210



11.1495, 0.5624, 0.2872



1.0516, 0.5292, 0.2689

Inverse Universe

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



38.1917, 0.4062, 0.2844



33.0895, 0.4352, 0.2780



69.6361, 0.2425, 0.3062



17.3222, 0.3241, 0.3210



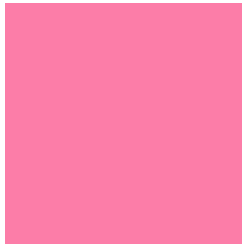
11.1495, 0.5624, 0.2872



1.0516, 0.5292, 0.2689

Previews

White Background



This preview shows how the Yxy color 38.1898, 0.4062, 0.2844 looks on a white background.

Color Contrast Check

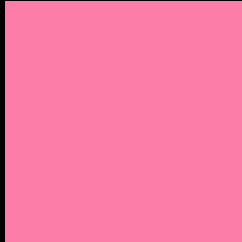
Large Text (above 18pt) WCAG AA × Fail

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 38.1898, 0.4062, 0.2844 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 38.1898, 0.4062, 0.2844

Background



This preview shows how black text looks on a background with the Yxy color 38.1898, 0.4062, 0.2844.



This preview shows how white text looks on a background with the Yxy color 38.1898, 0.4062, 0.2844.

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

38.1898, 0.4062, 0.2844

Protanopia

38.3974, 0.2879, 0.2919

Deuteranopia

38.2887, 0.3341, 0.3277



Tritanopia

38.1827, 0.4354, 0.3188

Trichromacy



Original Color

38.1898, 0.4062, 0.2844

Protanomaly

36.8337, 0.3266, 0.2867

Deuteranomaly

37.4155, 0.3601, 0.3091

Tritanomaly

38.1496, 0.4255, 0.3062

Monochromacy



Original Color

38.1898, 0.4062, 0.2844

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

37.4257, 0.3449, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1898, 0.4062, 0.2844 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(252, 125, 168)` looks like.

```
.text, #text, p{  
    color:rgb(252, 125, 168)  
}
```

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(252, 125, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 125, 168) }
```

Border

The CSS property to change the border of an element to Yxy 38.1898, 0.4062, 0.2844 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(252, 125, 168) }
```

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

```
.border{ border-color:rgb(252, 125, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 125, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 125, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 125, 168);  
box-shadow:4px 4px 4px 4px rgb(252, 125,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1898, 0.4062, 0.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 125, 168) }
```

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

```
.background{ background-color: rgb(252,  
125, 168) }
```

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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