

Converting Colors

$Y_{xy}(37.8696, 0.3968, 0.2784)$

Have a look what the booklet for
Yxy(37.8696, 0.3968, 0.2784)
contains.

Yxy(37.8241, 0.3973, 0.2786)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.8241, 0.3973, 0.2786)

Conversions

Conversions Part 1

Format	Color
Hex	F97DAD
RGB	249, 125, 173
RGB Percent	98%, 49%, 68%
CMY	0.0236, 0.5097, 0.3215
CMYK	0.00, 0.50, 0.31, 0.02
HSL	337°, 91%, 73%
HSV	337°, 50%, 98%
XYZ	53.9394, 37.8241, 44.0014
YIQ	167.5480, 58.4960, 41.2160

Conversions

Conversions Part 2

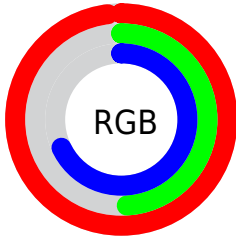
Format	Color
R _Y B	249, 125, 173
Decimal	16350637
CIE Lab	67.89, 52.36, -3.23
CIE LCh	68, 52.462, 356.475
Yxy	37.8241, 0.3973, 0.2786
Android (android.graphics.Color)	4294540717 (0xFFF97DAD)
YUV	167.5480, 2.6878, 71.4334
Hunter-Lab	61.5013, 48.9252, 0.6316

Details

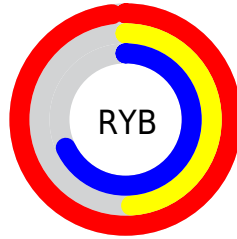
The Yxy color **37.8241, 0.3973, 0.2786** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **76.3168, 0.2692, 0.3886**, and the grayscale version is **38.8931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9092, 0.3372, 0.2815**, and **16.8341, 0.4230, 0.2643** is the 20% darker color. If you saturate the color by 10%, you get **31.7341, 0.4245, 0.2706**, and if you desaturate by 10%, it is **45.5651, 0.3737, 0.2883**.

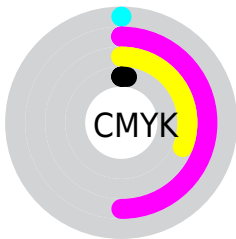
Distribution



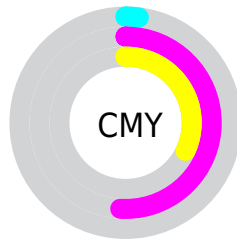
- Red (98%)
- Green (49%)
- Blue (68%)



- Red (98%)
- Yellow (49%)
- Blue (68%)



- Cyan (0%)
- Magenta (50%)
- Yellow (31%)
- Black (2%)





- Cyan (2%)
- Magenta (51%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8241, 0.3973, 0.2786 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 37.8241, 0.3973, 0.2786 by changing the saturation by 10% instead.


 37.8241, 0.3973,
0.2786


 37.8241, 0.3973,
0.2786


336.8648, 0.3540,
0.3041


 25.8462, 0.4084,
0.2722


 71.8384, 0.3813,
0.2879

 16.7086, 0.4228,
0.2639


 94.6437, 0.3754,
0.2914

 10.0270, 0.4422,
0.2528


 121.8268, 0.3704,
0.2944

 5.4168, 0.4696,
0.2374

153.7722, 0.3661,
0.2969

 2.4939, 0.5111,
0.2145

190.8644, 0.3625,
0.2990

 0.8736, 0.5797,
0.1777

233.4876, 0.3593,

 0.0000, 1.0000,

0.3009

0.0000

282.0263, 0.3565,
0.3026

■ 0.0000, 0.0000,
0.0000

■ 37.8241, 0.3973,
0.2786

■ 37.8241, 0.3973,
0.2786

■ 31.7341, 0.4245,
0.2706

■ 45.5651, 0.3737,
0.2883

■ 27.1667, 0.4548,
0.2657

■ 55.0614, 0.3538,
0.2988

■ 23.9839, 0.4868,
0.2650

■ 66.4153, 0.3372,
0.3093

■ 22.0194, 0.5182,
0.2695

■ 79.7198, 0.3236,
0.3196

■ 21.0057, 0.5470,
0.2788

■ 95.0613, 0.3125,
0.3292

■ 20.9882, 0.5476,
0.2790

■ 98.8761, 0.3090,
0.3290

Harmonies

Analogous

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



37.8241, 0.3171, 0.2369



37.8241, 0.3973, 0.2786



37.8241, 0.4551, 0.3320

Triad

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



37.8241, 0.3973, 0.2786



37.8241, 0.3680, 0.4732



37.8241, 0.1785, 0.2413

Complementary

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



37.8241, 0.3973, 0.2786



76.3168, 0.2692, 0.3886

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.



37.8241, 0.1879, 0.3000



37.8241, 0.3973, 0.2786



37.8241, 0.2931, 0.4540

Square

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



37.8241, 0.3973, 0.2786



37.8241, 0.4321, 0.4427



37.8241, 0.2276, 0.3828



37.8241, 0.1979, 0.2138

Rectangle

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



37.8241, 0.3973, 0.2786



37.8241, 0.4683, 0.3703



37.8241, 0.2276, 0.3828



37.8241, 0.1783, 0.2573

Sweetspot

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



37.8260, 0.3973, 0.2786



76.5582, 0.3304, 0.3143



33.7067, 0.2742, 0.1922



15.7643, 0.3334, 0.3121



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.



37.8260, 0.3973, 0.2786



33.3445, 0.4254, 0.2705



39.6269, 0.4473, 0.3424



17.3365, 0.3233, 0.3198



11.2624, 0.5434, 0.2767



1.0632, 0.5113, 0.2591

Inverse Universe

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



37.8260, 0.3973, 0.2786



33.3445, 0.4254, 0.2705



71.5276, 0.2447, 0.3141



17.3365, 0.3233, 0.3198



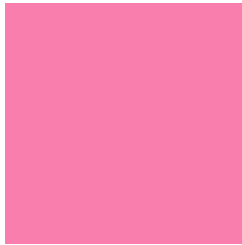
11.2624, 0.5434, 0.2767



1.0632, 0.5113, 0.2591

Previews

White Background



This preview shows how the Yxy color 37.8241, 0.3973, 0.2786 looks on a white background.

Color Contrast Check

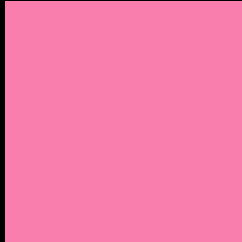
Large Text (above 18pt) WCAG AA × Fail

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 37.8241, 0.3973, 0.2786 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 37.8241, 0.3973, 0.2786

Background



This preview shows how black text looks on a background with the Yxy color 37.8241, 0.3973, 0.2786.



This preview shows how white text looks on a background with the Yxy color 37.8241, 0.3973, 0.2786.

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

37.8241, 0.3973, 0.2786

Protanopia

37.9991, 0.2807, 0.2824

Deuteranopia

38.1035, 0.3265, 0.3209



Tritanopia

37.7485, 0.4299, 0.3186

Trichromacy



Original Color

37.8241, 0.3973, 0.2786



Protanomaly

36.6933, 0.3180, 0.2789



Deuteranomaly

37.1662, 0.3518, 0.3026



Tritanomaly

37.7746, 0.4176, 0.3036

Monochromacy



Original Color

37.8241, 0.3973, 0.2786



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.2291, 0.3409, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8241, 0.3973, 0.2786 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(249, 125, 173)` looks like.

```
.text, #text, p{  
    color:rgb(249, 125, 173)  
}
```

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(249, 125, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 125, 173) }
```

Border

The CSS property to change the border of an element to Yxy 37.8241, 0.3973, 0.2786 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(249, 125, 173) }
```

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

```
.border{ border-color:rgb(249, 125, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 125, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 125, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 125, 173);  
box-shadow:4px 4px 4px 4px rgb(249, 125,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8241, 0.3973, 0.2786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 125, 173) }
```

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

```
.background{ background-color: rgb(249,  
125, 173) }
```

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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