

Converting Colors

$Y_{xy}(44.3456, 0.4217, 0.2807)$

Have a look what the booklet for
Yxy(44.3456, 0.4217, 0.2807)
contains.

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Color

Yxy(39.1416, 0.3974, 0.2748)

Conversions

Conversions Part 1

Format	Color
Hex	FF7DB2
RGB	255, 125, 178
RGB Percent	100%, 49%, 70%
CMY	0.0001, 0.5097, 0.3020
CMYK	0.00, 0.51, 0.30, 0.00
HSL	336°, 100%, 75%
HSV	336°, 51%, 100%
XYZ	56.6043, 39.1416, 46.6907
YIQ	169.9120, 60.4670, 44.0430

Conversions

Conversions Part 2

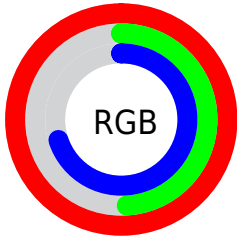
Format	Color
R_{YB}	255, 125, 178
Decimal	16743858
CIE _{Lab}	68.85, 54.92, -4.52
CIE _{LCh}	69, 55.106, 355.297
Yxy	39.1416, 0.3974, 0.2748
Android (android.graphics.Color)	4294933938 (0xFFFF7DB2)
YUV	169.9120, 3.9874, 74.6222
Hunter-Lab	62.5632, 52.0129, -0.4537

Details

The Yxy color **39.1416, 0.3974, 0.2748** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.1343, 0.2697, 0.3938**, and the grayscale version is **40.1125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2483, 0.3323, 0.2757**, and **17.4631, 0.4230, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **32.9203, 0.4240, 0.2666**, and if you desaturate by 10%, it is **47.0903, 0.3742, 0.2849**.

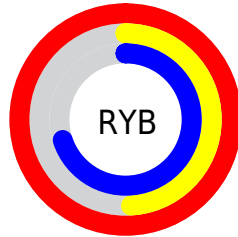
Distribution



Red (100%)

Green (49%)

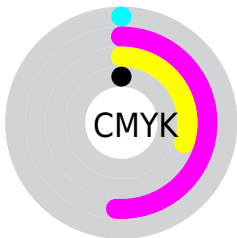
Blue (70%)



Red (100%)

Yellow (49%)

Blue (70%)

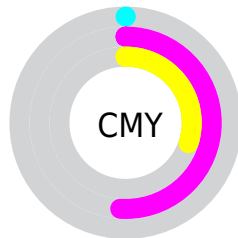


Cyan (0%)

Magenta (51%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1416, 0.3974, 0.2748 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 39.1416, 0.3974, 0.2748 by changing the saturation by 10% instead.

 39.1416, 0.3974,
0.2748

 39.1416, 0.3974,
0.2748


342.4921, 0.3544,
0.3019


 26.8699, 0.4083,
0.2681


 73.8546, 0.3816,
0.2846

 17.4755, 0.4224,
0.2595


 97.0647, 0.3757,
0.2883

 10.5741, 0.4412,
0.2481


 124.6897, 0.3708,
0.2915

 5.7812, 0.4676,
0.2324

157.1140, 0.3665,
0.2941

 2.7125, 0.5070,
0.2095

194.7220, 0.3629,
0.2965

 0.9836, 0.5711,
0.1736

237.8981, 0.3597,

 0.0000, 0.8780,

0.2985

0.0000

287.0267, 0.3569,
0.3003

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

39.1416, 0.3974,
0.2748

39.1416, 0.3974,
0.2748

32.9203, 0.4240,
0.2666

47.0903, 0.3742,
0.2849

28.2890, 0.4534,
0.2617

56.8785, 0.3546,
0.2959

25.0986, 0.4842,
0.2612

68.6154, 0.3382,
0.3070

23.1686, 0.5143,
0.2661

82.4000, 0.3248,
0.3178

■ 22.2548, 0.5395,
0.2746

98.3246, 0.3137,
0.3280

99.9965, 0.3127,
0.3290

Harmonies

Analogous

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



39.1416, 0.3138, 0.2326



39.1416, 0.3974, 0.2748



39.1416, 0.4590, 0.3292

Triad

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



39.1416, 0.3974, 0.2748



39.1416, 0.3723, 0.4783



39.1416, 0.1741, 0.2397

Complementary

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



39.1416, 0.3974, 0.2748



80.1343, 0.2697, 0.3938

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.



39.1416, 0.1847, 0.3015



39.1416, 0.3974, 0.2748



39.1416, 0.2950, 0.4615

Square

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



39.1416, 0.3974, 0.2748



39.1416, 0.4380, 0.4442



39.1416, 0.2266, 0.3884



39.1416, 0.1928, 0.2106

Rectangle

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



39.1416, 0.3974, 0.2748



39.1416, 0.4739, 0.3685



39.1416, 0.2266, 0.3884



39.1416, 0.1743, 0.2566

Sweetspot

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



39.1436, 0.3974, 0.2748



76.6026, 0.3299, 0.3135



34.2857, 0.2711, 0.1881



15.7750, 0.3327, 0.3112



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.



39.1436, 0.3974, 0.2748



32.9085, 0.4241, 0.2666



40.3043, 0.4538, 0.3405



18.1098, 0.3230, 0.3193



11.6583, 0.5353, 0.2722



1.1562, 0.5054, 0.2558

Inverse Universe

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



39.1436, 0.3974, 0.2748



32.9085, 0.4241, 0.2666



76.3730, 0.2439, 0.3162



18.1098, 0.3230, 0.3193



11.6583, 0.5353, 0.2722



1.1562, 0.5054, 0.2558

Previews

White Background



This preview shows how the Yxy color 39.1416, 0.3974, 0.2748 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 39.1416, 0.3974, 0.2748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

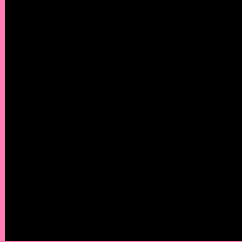
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1416, 0.3974, 0.2748

Background



This preview shows how black text looks on a background with the Yxy color 39.1416, 0.3974, 0.2748.



This preview shows how white text looks on a background with the Yxy color 39.1416, 0.3974, 0.2748.

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

39.1416, 0.3974, 0.2748

Protanopia

39.5188, 0.2767, 0.2780

Deuteranopia

39.2402, 0.3237, 0.3170



Tritanopia

39.1510, 0.4340, 0.3189

Trichromacy



Original Color

39.1416, 0.3974, 0.2748



Protanomaly

37.9987, 0.3153, 0.2749



Deuteranomaly

38.1062, 0.3495, 0.2981



Tritanomaly

38.9497, 0.4211, 0.3022

Monochromacy



Original Color

39.1416, 0.3974, 0.2748



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.5458, 0.3416, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1416, 0.3974, 0.2748 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(255, 125, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 178)  
}
```

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(255, 125, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 178) }
```

Border

The CSS property to change the border of an element to Yxy 39.1416, 0.3974, 0.2748 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(255, 125, 178) }
```

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

```
.border{ border-color:rgb(255, 125, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 125, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 125, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 125, 178); box-shadow:4px 4px 4px 4px rgb(255, 125, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1416, 0.3974, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 178) }
```

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

```
.background{ background-color: rgb(255,  
125, 178) }
```

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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