

Converting Colors

$Y_{xy}(41.3238, 0.4112, 0.2856)$

Have a look what the booklet for
Yxy(41.3238, 0.4112, 0.2856)
contains.

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Color

Yxy(39.6769, 0.4035, 0.2838)

Conversions

Conversions Part 1

Format	Color
Hex	FF80AC
RGB	255, 128, 172
RGB Percent	100%, 50%, 67%
CMY	0.0000, 0.4981, 0.3255
CMYK	0.00, 0.50, 0.33, 0.00
HSL	339°, 100%, 75%
HSV	339°, 50%, 100%
XYZ	56.4117, 39.6769, 43.7173
YIQ	170.9890, 61.5680, 40.6080

Conversions

Conversions Part 2

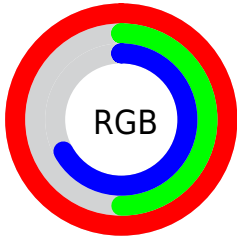
Format	Color
R_{YB}	255, 128, 172
Decimal	16744620
CIE Lab	69.24, 52.78, -0.58
CIE LCh	69, 52.786, 359.368
Yxy	39.6769, 0.4035, 0.2838
Android (android.graphics.Color)	4294934700 (0xFFFF80AC)
YUV	170.9890, 0.4984, 73.6776
Hunter-Lab	62.9896, 49.6276, 2.9431

Details

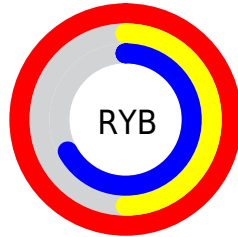
The Yxy color **39.6769, 0.4035, 0.2838** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.8110, 0.2668, 0.3821**, and the grayscale version is **40.6900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0870, 0.3376, 0.2855**, and **17.7233, 0.4304, 0.2698** is the 20% darker color. If you saturate the color by 10%, you get **33.2377, 0.4330, 0.2768**, and if you desaturate by 10%, it is **47.8634, 0.3780, 0.2925**.

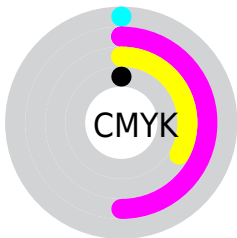
Distribution



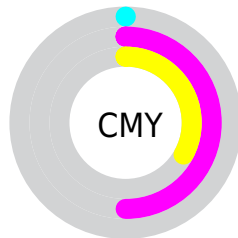
- Red (100%)
- Green (50%)
- Blue (67%)



- Red (100%)
- Yellow (50%)
- Blue (67%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6769, 0.4035, 0.2838 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 39.6769, 0.4035, 0.2838 by changing the saturation by 10% instead.

 39.6769, 0.4035,
0.2838


 39.6769, 0.4035,
0.2838

344.7599, 0.3571,
0.3068


 27.2867, 0.4153,
0.2780


 74.6713, 0.3865,
0.2923

 17.7887, 0.4306,
0.2704


 98.0442, 0.3801,
0.2954

 10.7984, 0.4511,
0.2603


 125.8469, 0.3748,
0.2981

 5.9314, 0.4799,
0.2461

158.4637, 0.3702,
0.3003

 2.8034, 0.5231,
0.2249

196.2790, 0.3663,
0.3023

 1.0300, 0.5934,
0.1906


239.6772, 0.3628,

 0.0000, 1.0000,

0.3040

0.0000


289.0427, 0.3598,
0.3055


 0.0000, 0.0000,
0.0000


 39.6769, 0.4035,
0.2838


 39.6769, 0.4035,
0.2838

 33.2377, 0.4330,
0.2768

 47.8634, 0.3780,
0.2925


 28.4213, 0.4658,
0.2728

 57.9206, 0.3566,
0.3019

 25.0764, 0.5003,
0.2730

 69.9534, 0.3389,
0.3113

 23.0256, 0.5337,
0.2782

 84.0607, 0.3243,
0.3205

 21.9867, 0.5634,
0.2879

100.0000, 0.3127,
0.3290

■ 21.9707, 0.5640,
0.2881

Harmonies

Analogous

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



39.6769, 0.3248, 0.2409



39.6769, 0.4035, 0.2838



39.6769, 0.4570, 0.3375

Triad

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



39.6769, 0.4035, 0.2838



39.6769, 0.3607, 0.4725



39.6769, 0.1802, 0.2381

Complementary

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



39.6769, 0.4035, 0.2838



80.8110, 0.2668, 0.3821

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.



39.6769, 0.1867, 0.2934



39.6769, 0.4035, 0.2838



39.6769, 0.2864, 0.4477

Square

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



39.6769, 0.4035, 0.2838



39.6769, 0.4260, 0.4461



39.6769, 0.2233, 0.3741



39.6769, 0.2021, 0.2137

Rectangle

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



39.6769, 0.4035, 0.2838



39.6769, 0.4669, 0.3756



39.6769, 0.2233, 0.3741



39.6769, 0.1791, 0.2530

Sweetspot

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



39.6749, 0.4035, 0.2838



76.4704, 0.3315, 0.3158



36.4382, 0.2795, 0.1940



15.7433, 0.3346, 0.3139



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.



39.6749, 0.4035, 0.2838



33.1300, 0.4336, 0.2767



43.6990, 0.4439, 0.3490



18.0910, 0.3240, 0.3208



11.5054, 0.5597, 0.2857



1.1399, 0.5281, 0.2683

Inverse Universe

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



39.6749, 0.4035, 0.2838



33.1300, 0.4336, 0.2767



71.7699, 0.2431, 0.3065



18.0910, 0.3240, 0.3208



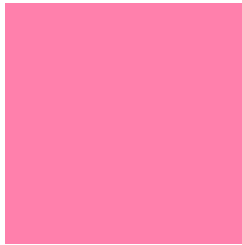
11.5054, 0.5597, 0.2857



1.1399, 0.5281, 0.2683

Previews

White Background



This preview shows how the Yxy color 39.6769, 0.4035, 0.2838 looks on a white background.

Color Contrast Check

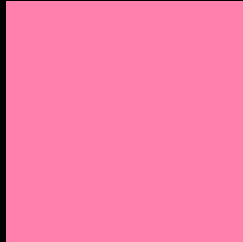
Large Text (above 18pt) WCAG AA × Fail

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 39.6769, 0.4035, 0.2838 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 39.6769, 0.4035, 0.2838

Background



This preview shows how black text looks on a background with the Yxy color 39.6769, 0.4035, 0.2838.



This preview shows how white text looks on a background with the Yxy color 39.6769, 0.4035, 0.2838.

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

39.6769, 0.4035, 0.2838

Protanopia

39.9290, 0.2859, 0.2898

Deuteranopia

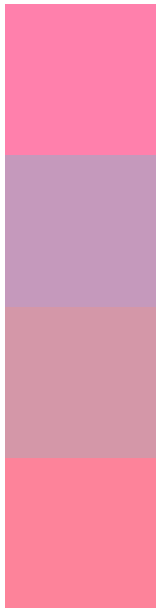
39.8689, 0.3328, 0.3264



Tritanopia

39.4537, 0.4323, 0.3189

Trichromacy



Original Color

39.6769, 0.4035, 0.2838

Protanomaly

38.2836, 0.3235, 0.2847

Deuteranomaly

38.9574, 0.3582, 0.3082

Tritanomaly

39.4483, 0.4214, 0.3053

Monochromacy



Original Color

39.6769, 0.4035, 0.2838

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

38.9395, 0.3443, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6769, 0.4035, 0.2838 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, 128, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 172)  
}
```

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, 128, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 172) }
```

Border

The CSS property to change the border of an element to Yxy 39.6769, 0.4035, 0.2838 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, 128, 172) }
```

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

```
.border{ border-color:rgb(255, 128, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6769, 0.4035, 0.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 172) }
```

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

```
.background{ background-color: rgb(255,  
128, 172) }
```

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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