

Converting Colors

$Y_{xy}(38.6525, 0.4121, 0.2875)$

Have a look what the booklet for
Yxy(38.6525, 0.4121, 0.2875)
contains.

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Color

Yxy(38.6804, 0.4115, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	FF7DA6
RGB	255, 125, 166
RGB Percent	100%, 49%, 65%
CMY	0.0000, 0.5098, 0.3489
CMYK	0.00, 0.51, 0.35, 0.00
HSL	341°, 100%, 75%
HSV	341°, 51%, 100%
XYZ	55.4599, 38.6804, 40.6346
YIQ	168.5440, 64.3190, 40.3110

Conversions

Conversions Part 2

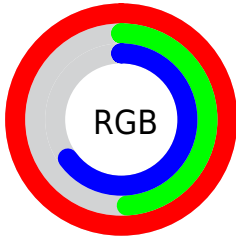
Format	Color
R_{YB}	255, 125, 166
Decimal	16743846
CIE _{Lab}	68.52, 53.51, 1.73
CIE _{LCh}	69, 53.536, 1.851
Yxy	38.6804, 0.4115, 0.2870
Android (android.graphics.Color)	4294933926 (0xFFFF7DA6)
YUV	168.5440, -1.2542, 75.8219
Hunter-Lab	62.1936, 50.3351, 4.7979

Details

The Yxy color **38.6804, 0.4115, 0.2870** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.7334, 0.2642, 0.3785**, and the grayscale version is **39.4230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5282, 0.3429, 0.2883**, and **17.1973, 0.4423, 0.2742** is the 20% darker color. If you saturate the color by 10%, you get **32.4353, 0.4432, 0.2811**, and if you desaturate by 10%, it is **46.6718, 0.3841, 0.2947**.

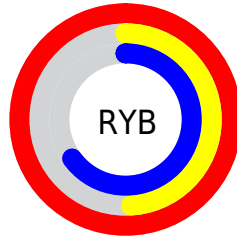
Distribution



Red (100%)

Green (49%)

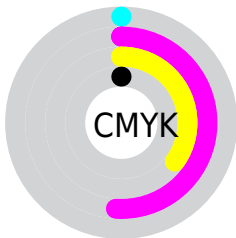
Blue (65%)



Red (100%)

Yellow (49%)

Blue (65%)

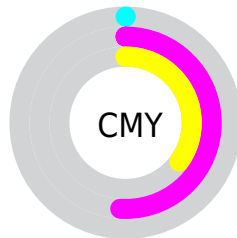


Cyan (0%)

Magenta (51%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6804, 0.4115, 0.2870 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 38.6804, 0.4115, 0.2870 by changing the saturation by 10% instead.


 38.6804, 0.4115,
0.2870


 38.6804, 0.4115,
0.2870


340.5298, 0.3607,
0.3088


 26.5112, 0.4245,
0.2813


 73.1498, 0.3928,
0.2951

 17.2065, 0.4415,
0.2740


 96.2188, 0.3858,
0.2981

 10.3818, 0.4642,
0.2639


 123.6899, 0.3800,
0.3006

 5.6528, 0.4964,
0.2497

155.9474, 0.3750,
0.3027

 2.6351, 0.5447,
0.2280

193.3757, 0.3707,
0.3046

 0.9444, 0.6238,
0.1920

236.3593, 0.3669,

 0.0000, 1.0000,


0.3062


0.0000

285.2825, 0.3636,
0.3076


 0.0000, 0.0000,
0.0000


 38.6804, 0.4115,
0.2870


 38.6804, 0.4115,
0.2870


 32.4353, 0.4432,
0.2811


 46.6718, 0.3841,
0.2947


 27.7998, 0.4781,
0.2781


 56.5248, 0.3610,
0.3032

 24.6226, 0.5143,
0.2793

 68.3491, 0.3420,
0.3119

 22.7215, 0.5486,
0.2855

 82.2450, 0.3265,
0.3203

 21.8464, 0.5755,
0.2944

 98.3057, 0.3138,
0.3283

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



38.6804, 0.3318, 0.2422



38.6804, 0.4115, 0.2870



38.6804, 0.4628, 0.3421

Triad

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



38.6804, 0.4115, 0.2870



38.6804, 0.3552, 0.4761



38.6804, 0.1785, 0.2329

Complementary

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



38.6804, 0.4115, 0.2870



80.7334, 0.2642, 0.3785

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.



38.6804, 0.1826, 0.2865



38.6804, 0.4115, 0.2870



38.6804, 0.2796, 0.4460

Square

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



38.6804, 0.4115, 0.2870



38.6804, 0.4234, 0.4519



38.6804, 0.2171, 0.3679



38.6804, 0.2031, 0.2107

Rectangle

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



38.6804, 0.4115, 0.2870



38.6804, 0.4699, 0.3810



38.6804, 0.2171, 0.3679



38.6804, 0.1766, 0.2472

Sweetspot

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



38.6817, 0.4115, 0.2870



76.4042, 0.3323, 0.3170



36.1584, 0.2822, 0.1923



15.7275, 0.3356, 0.3152



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.



38.6817, 0.4115, 0.2870



32.4247, 0.4432, 0.2811



44.1829, 0.4459, 0.3539



18.0815, 0.3244, 0.3215



11.4389, 0.5712, 0.2921



1.1326, 0.5393, 0.2744

Inverse Universe

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



38.6817, 0.4115, 0.2870



32.4247, 0.4432, 0.2811



68.8252, 0.2408, 0.3006



18.0815, 0.3244, 0.3215



11.4389, 0.5712, 0.2921



1.1326, 0.5393, 0.2744

Previews

White Background



This preview shows how the Yxy color 38.6804, 0.4115, 0.2870 looks on a white background.

Color Contrast Check

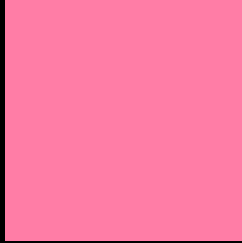
Large Text (above 18pt) WCAG AA × Fail

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 38.6804, 0.4115, 0.2870 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 38.6804, 0.4115, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 38.6804, 0.4115, 0.2870.



This preview shows how white text looks on a background with the Yxy color 38.6804, 0.4115, 0.2870.

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

38.6804, 0.4115, 0.2870

Protanopia

38.9265, 0.2904, 0.2948

Deuteranopia

38.8178, 0.3377, 0.3318



Tritanopia

38.7120, 0.4394, 0.3200

Trichromacy



Original Color

38.6804, 0.4115, 0.2870



Protanomaly

37.3809, 0.3294, 0.2894



Deuteranomaly

37.9524, 0.3639, 0.3130



Tritanomaly

38.6791, 0.4296, 0.3076

Monochromacy



Original Color

38.6804, 0.4115, 0.2870



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.8890, 0.3457, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6804, 0.4115, 0.2870 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 166) }
```

Border

The CSS property to change the border of an element to Yxy 38.6804, 0.4115, 0.2870 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, 166) }
```

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

```
.border{ border-color:rgb(255, 125, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6804, 0.4115, 0.2870 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, 166) }
```

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

```
.background{ background-color: rgb(255,  
125, 166) }
```

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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