

Converting Colors

$Y_{xy}(38.5757, 0.4146, 0.2896)$

Have a look what the booklet for
Yxy(38.5757, 0.4146, 0.2896)
contains.

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Color

Yxy(38.5716, 0.4151, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	FF7DA3
RGB	255, 125, 163
RGB Percent	100%, 49%, 64%
CMY	0.0000, 0.5098, 0.3607
CMYK	0.00, 0.51, 0.36, 0.00
HSL	342°, 100%, 75%
HSV	342°, 51%, 100%
XYZ	55.1916, 38.5716, 39.1965
YIQ	168.2020, 65.2820, 39.3780

Conversions

Conversions Part 2

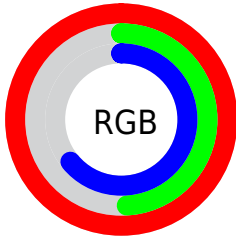
Format	Color
R_{YB}	255, 125, 163
Decimal	16743843
CIE _{Lab}	68.44, 53.17, 3.31
CIE _{LCh}	68, 53.278, 3.564
Yxy	38.5716, 0.4151, 0.2901
Android (android.graphics.Color)	4294933923 (0xFFFF7DA3)
YUV	168.2020, -2.5646, 76.1218
Hunter-Lab	62.1060, 49.9414, 6.0550

Details

The Yxy color **38.5716, 0.4151, 0.2901** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.8872, 0.2628, 0.3747**, and the grayscale version is **39.2483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3697, 0.3454, 0.2912**, and **17.1523, 0.4458, 0.2768** is the 20% darker color. If you saturate the color by 10%, you get **32.3205, 0.4480, 0.2847**, and if you desaturate by 10%, it is **46.5680, 0.3866, 0.2972**.

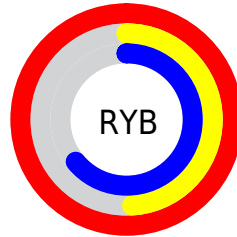
Distribution



Red (100%)

Green (49%)

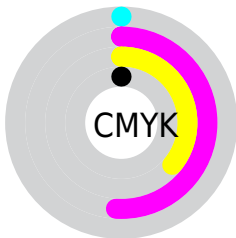
Blue (64%)



Red (100%)

Yellow (49%)

Blue (64%)

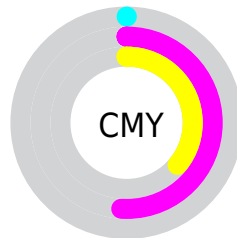


Cyan (0%)

Magenta (51%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5716, 0.4151, 0.2901 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 38.5716, 0.4151, 0.2901 by changing the saturation by 10% instead.


 38.5716, 0.4151,
0.2901


 38.5716, 0.4151,
0.2901

340.0657, 0.3623,
0.3106

 26.4266, 0.4287,
0.2847


 72.9834, 0.3956,
0.2978

 17.1431, 0.4463,
0.2776


 96.0190, 0.3884,
0.3006

 10.3366, 0.4701,
0.2680


 123.4537, 0.3823,
0.3029

 5.6227, 0.5036,
0.2541

155.6717, 0.3771,
0.3049

 2.6170, 0.5541,
0.2327

193.0575, 0.3727,
0.3066

 0.9352, 0.6377,
0.1969

235.9955, 0.3688,


 0.0000, 1.0000,


0.3081


0.0000


284.8701, 0.3654,
0.3094


 0.0000, 0.0000,
0.0000


 38.5716, 0.4151,
0.2901


 38.5716, 0.4151,
0.2901


 32.3205, 0.4480,
0.2847


 46.5680, 0.3866,
0.2972

 27.6869, 0.4844,
0.2822


 56.4349, 0.3627,
0.3051


 24.5162, 0.5218,
0.2838

 68.2791, 0.3430,
0.3131

 22.6253, 0.5568,
0.2901

 82.2012, 0.3269,
0.3209

 21.7625, 0.5837,
0.2989

 98.2948, 0.3139,
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.



38.5716, 0.3365, 0.2446



38.5716, 0.4151, 0.2901



38.5716, 0.4637, 0.3454

Triad

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



38.5716, 0.4151, 0.2901



38.5716, 0.3508, 0.4754



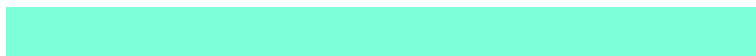
38.5716, 0.1795, 0.2312

Complementary

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



38.5716, 0.4151, 0.2901



80.8872, 0.2628, 0.3747

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.



38.5716, 0.1820, 0.2828



38.5716, 0.4151, 0.2901



38.5716, 0.2756, 0.4420

Square

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



38.5716, 0.4151, 0.2901



38.5716, 0.4197, 0.4539



38.5716, 0.2147, 0.3628



38.5716, 0.2057, 0.2106

Rectangle

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



38.5716, 0.4151, 0.2901



38.5716, 0.4689, 0.3842



38.5716, 0.2147, 0.3628



38.5716, 0.1771, 0.2448

Sweetspot

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



38.5697, 0.4151, 0.2901



76.3550, 0.3330, 0.3179



36.4830, 0.2841, 0.1930



15.7157, 0.3364, 0.3162



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.



38.5697, 0.4151, 0.2901



32.3121, 0.4481, 0.2847



44.8709, 0.4445, 0.3562



18.0745, 0.3248, 0.3221



11.3938, 0.5795, 0.2966



1.1275, 0.5475, 0.2790

Inverse Universe

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



38.5697, 0.4151, 0.2901



32.3121, 0.4481, 0.2847



67.6166, 0.2403, 0.2980



18.0745, 0.3248, 0.3221



11.3938, 0.5795, 0.2966



1.1275, 0.5475, 0.2790

Previews

White Background



This preview shows how the Yxy color 38.5716, 0.4151, 0.2901 looks on a white background.

Color Contrast Check

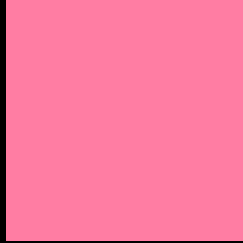
Large Text (above 18pt) WCAG AA × Fail

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 38.5716, 0.4151, 0.2901 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 38.5716, 0.4151, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 38.5716, 0.4151, 0.2901.



This preview shows how white text looks on a background with the Yxy color 38.5716, 0.4151, 0.2901.

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

38.5716, 0.4151, 0.2901

Protanopia

38.7528, 0.2935, 0.3000

Deuteranopia

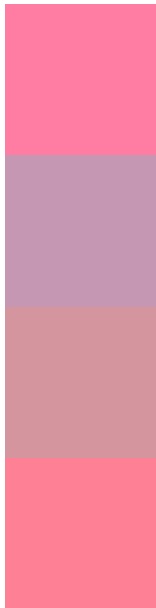
38.8398, 0.3415, 0.3358



Tritanopia

38.4472, 0.4399, 0.3190

Trichromacy



Original Color

38.5716, 0.4151, 0.2901

Protanomaly

37.2179, 0.3332, 0.2944

Deuteranomaly

37.9951, 0.3681, 0.3167

Tritanomaly

38.6473, 0.4307, 0.3086

Monochromacy



Original Color

38.5716, 0.4151, 0.2901

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

37.4890, 0.3479, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5716, 0.4151, 0.2901 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 163) }
```

Border

The CSS property to change the border of an element to Yxy 38.5716, 0.4151, 0.2901 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, 163) }
```

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

```
.border{ border-color:rgb(255, 125, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5716, 0.4151, 0.2901 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, 163) }
```

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

```
.background{ background-color: rgb(255,  
125, 163) }
```

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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