

Converting Colors

$Y_{xy}(37.4637, 0.4380, 0.3073)$

Have a look what the booklet for
Yxy(37.4637, 0.4380, 0.3073)
contains.

Yxy(37.4703, 0.4376, 0.3069)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4703, 0.4376, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	FF7B91
RGB	255, 123, 145
RGB Percent	100%, 48%, 57%
CMY	0.0001, 0.5176, 0.4315
CMYK	0.00, 0.52, 0.43, 0.00
HSL	350°, 100%, 74%
HSV	350°, 52%, 100%
XYZ	53.4278, 37.4703, 31.1947
YIQ	164.9760, 71.6100, 34.8260

Conversions

Conversions Part 2

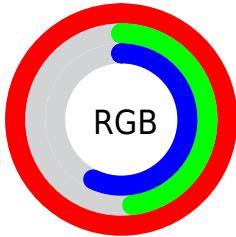
Format	Color
RYB	255, 123, 145
Decimal	16743313
CIELab	67.63, 52.18, 12.34
CIElCh	68, 53.620, 13.305
Yxy	37.4703, 0.4376, 0.3069
Android (android.graphics.Color)	4294933393 (0xFFFF7B91)
YUV	164.9760, -9.8482, 78.9510
Hunter-Lab	61.2130, 48.6754, 12.6343

Details

The Yxy color **37.4703, 0.4376, 0.3069** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.6071, 0.2549, 0.3548**, and the grayscale version is **37.6395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6237, 0.3621, 0.3083**, and **16.4298, 0.4760, 0.2965** is the 20% darker color. If you saturate the color by 10%, you get **31.3518, 0.4776, 0.3045**, and if you desaturate by 10%, it is **45.3625, 0.4028, 0.3107**.

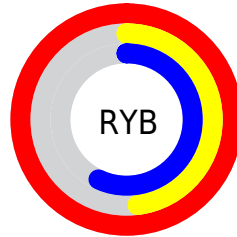
Distribution



Red (100%)

Green (48%)

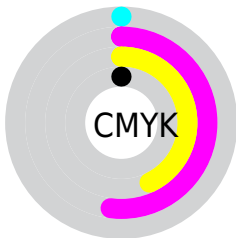
Blue (57%)



Red (100%)

Yellow (48%)

Blue (57%)

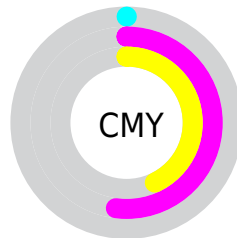


Cyan (0%)

Magenta (52%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4703, 0.4376, 0.3069 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 37.4703, 0.4376, 0.3069 by changing the saturation by 10% instead.


 37.4703, 0.4376,
0.3069


 37.4703, 0.4376,
0.3069


335.3422, 0.3725,
0.3202

 25.5718, 0.4545,
0.3029


 71.2955, 0.4134,
0.3123

 16.5036, 0.4764,
0.2973


 93.9911, 0.4045,
0.3141

 9.8812, 0.5061,
0.2891


 121.0544, 0.3970,
0.3156

 5.3203, 0.5477,
0.2764

152.8700, 0.3907,
0.3169

 2.4364, 0.6096,
0.2550

189.8221, 0.3852,
0.3179

 0.8445, 0.7551,
0.2295

232.2953, 0.3804,


 0.0000, 1.0000,


0.3188


0.0000

280.6739, 0.3762,
0.3195


 0.0000, 0.0000,
0.0000


 37.4703, 0.4376,
0.3069


 37.4703, 0.4376,
0.3069


 31.3518, 0.4776,
0.3045


 45.3625, 0.4028,
0.3107


 26.8636, 0.5207,
0.3043


 55.1457, 0.3736,
0.3151


 23.8496, 0.5627,
0.3070

 66.9337, 0.3498,
0.3196

 22.1200, 0.5982,
0.3127

 80.8298, 0.3306,
0.3241

 21.4270, 0.6194,
0.3186

 96.9302, 0.3151,
0.3283

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



37.4703, 0.3640, 0.2568



37.4703, 0.4376, 0.3069



37.4703, 0.4715, 0.3645

Triad

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



37.4703, 0.4376, 0.3069



37.4703, 0.3261, 0.4738



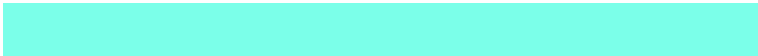
37.4703, 0.1833, 0.2198

Complementary

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



37.4703, 0.4376, 0.3069



81.6071, 0.2549, 0.3548

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.



37.4703, 0.1761, 0.2613



37.4703, 0.4376, 0.3069



37.4703, 0.2523, 0.4210

Square

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



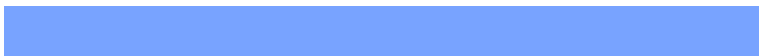
37.4703, 0.4376, 0.3069



37.4703, 0.4003, 0.4675



37.4703, 0.1990, 0.3347



37.4703, 0.2190, 0.2083

Rectangle

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



37.4703, 0.4376, 0.3069



37.4703, 0.4657, 0.4035



37.4703, 0.1990, 0.3347



37.4703, 0.1777, 0.2300

Sweetspot

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



37.4723, 0.4376, 0.3069



74.6742, 0.3383, 0.3222



38.7127, 0.2990, 0.1971



15.3738, 0.3422, 0.3213



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.



37.4723, 0.4376, 0.3069



31.2260, 0.4787, 0.3045



50.3287, 0.4365, 0.3747



18.0364, 0.3268, 0.3251



11.2121, 0.6162, 0.3168



1.1049, 0.5883, 0.3014

Inverse Universe

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



37.4723, 0.4376, 0.3069



31.2260, 0.4787, 0.3045



58.0186, 0.2350, 0.2753



18.0364, 0.3268, 0.3251



11.2121, 0.6162, 0.3168



1.1049, 0.5883, 0.3014

Previews

White Background



This preview shows how the Yxy color 37.4703, 0.4376, 0.3069 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 37.4703, 0.4376, 0.3069 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 37.4703, 0.4376, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 37.4703, 0.4376, 0.3069.



This preview shows how white text looks on a background with the Yxy color 37.4703, 0.4376, 0.3069.

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

37.4703, 0.4376, 0.3069

Protanopia

37.5564, 0.3129, 0.3248

Deuteranopia

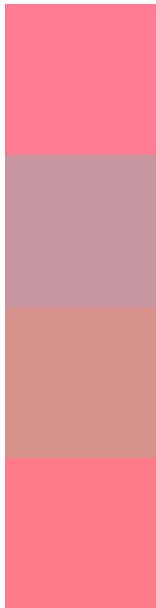
37.6075, 0.3627, 0.3562



Tritanopia

37.4593, 0.4489, 0.3202

Trichromacy



Original Color

37.4703, 0.4376, 0.3069

Protanomaly

36.1402, 0.3547, 0.3161

Deuteranomaly

36.7770, 0.3905, 0.3354

Tritanomaly

37.3211, 0.4446, 0.3150

Monochromacy



Original Color

37.4703, 0.4376, 0.3069

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.2871, 0.3545, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4703, 0.4376, 0.3069 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, 123, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 145)  
}
```

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, 123, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 145) }
```

Border

The CSS property to change the border of an element to Yxy 37.4703, 0.4376, 0.3069 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, 123, 145) }
```

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

```
.border{ border-color:rgb(255, 123, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4703, 0.4376, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 145) }
```

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

```
.background{ background-color: rgb(255,  
123, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor