

Converting Colors

$Y_{xy}(38.1315, 0.4443, 0.3079)$

Have a look what the booklet for
Yxy(38.1315, 0.4443, 0.3079)
contains.

Yxy(37.1927, 0.4393, 0.3069)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.1927, 0.4393, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	FF7A90
RGB	255, 122, 144
RGB Percent	100%, 48%, 56%
CMY	0.0000, 0.5216, 0.4353
CMYK	0.00, 0.52, 0.44, 0.00
HSL	350°, 100%, 74%
HSV	350°, 52%, 100%
XYZ	53.2380, 37.1927, 30.7576
YIQ	164.2750, 72.2060, 35.0380

Conversions

Conversions Part 2

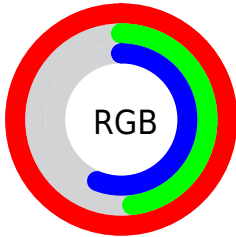
Format	Color
R _Y B	255, 122, 144
Decimal	16743056
CIE Lab	67.42, 52.58, 12.60
CIE LCh	67, 54.073, 13.477
Yxy	37.1927, 0.4393, 0.3069
Android (android.graphics.Color)	4294933136 (0xFFFF7A90)
YUV	164.2750, -9.9956, 79.5658
Hunter-Lab	60.9858, 49.0978, 12.7877

Details

The Yxy color **37.1927, 0.4393, 0.3069** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.5402, 0.2546, 0.3549**, and the grayscale version is **37.2827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1780, 0.3632, 0.3083**, and **16.2918, 0.4785, 0.2967** is the 20% darker color. If you saturate the color by 10%, you get **31.1394, 0.4795, 0.3046**, and if you desaturate by 10%, it is **45.0086, 0.4042, 0.3106**.

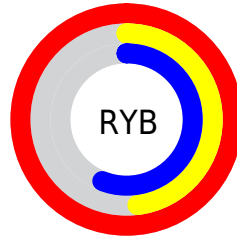
Distribution



Red (100%)

Green (48%)

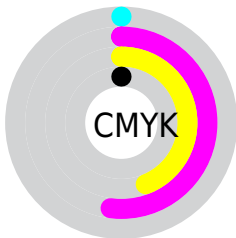
Blue (56%)



Red (100%)

Yellow (48%)

Blue (56%)

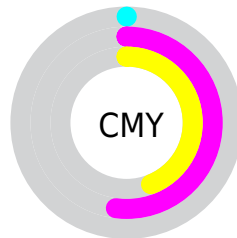


Cyan (0%)

Magenta (52%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1927, 0.4393, 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 37.1927, 0.4393, 0.3069 by changing the saturation by 10% instead.

 37.1927, 0.4393,
0.3069


 37.1927, 0.4393,
0.3069


334.1441, 0.3733,
0.3203


 25.3567, 0.4565,
0.3028


 70.8691, 0.4148,
0.3123

 16.3430, 0.4788,
0.2971


 93.4782, 0.4057,
0.3142

 9.7672, 0.5089,
0.2889


 120.4473, 0.3981,
0.3157

 5.2449, 0.5512,
0.2759

152.1605, 0.3916,
0.3169

 2.3917, 0.6141,
0.2540

189.0025, 0.3861,
0.3180

 0.8216, 0.7672,
0.2290

231.3574, 0.3813,

 0.0000, 1.0000,

0.3189

0.0000

279.6098, 0.3770,
0.3196

■ 0.0000, 0.0000,
0.0000

■ 37.1927, 0.4393,
0.3069

■ 37.1927, 0.4393,
0.3069

■ 31.1394, 0.4795,
0.3046

■ 45.0086, 0.4042,
0.3106

■ 26.7140, 0.5227,
0.3045

■ 54.7144, 0.3748,
0.3150

■ 23.7563, 0.5646,
0.3073

■ 66.4213, 0.3507,
0.3195

■ 22.0746, 0.5996,
0.3131

■ 80.2329, 0.3313,
0.3240

■ 21.4285, 0.6196,
0.3187

■ 96.2456, 0.3157,
0.3281

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.



37.1927, 0.3650, 0.2564



37.1927, 0.4393, 0.3069



37.1927, 0.4732, 0.3649

Triad

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



37.1927, 0.4393, 0.3069



37.1927, 0.3256, 0.4754



37.1927, 0.1822, 0.2186

Complementary

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



37.1927, 0.4393, 0.3069



81.5402, 0.2546, 0.3549

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.



37.1927, 0.1749, 0.2602



37.1927, 0.4393, 0.3069



37.1927, 0.2512, 0.4217

Square

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



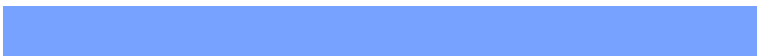
37.1927, 0.4393, 0.3069



37.1927, 0.4006, 0.4690



37.1927, 0.1977, 0.3342



37.1927, 0.2184, 0.2072

Rectangle

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



37.1927, 0.4393, 0.3069



37.1927, 0.4670, 0.4043



37.1927, 0.1977, 0.3342



37.1927, 0.1765, 0.2288

Sweetspot

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



37.1915, 0.4393, 0.3069



74.6722, 0.3383, 0.3223



38.4334, 0.2989, 0.1962



15.3733, 0.3423, 0.3214



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.



37.1915, 0.4393, 0.3069



30.7065, 0.4831, 0.3045



50.0577, 0.4378, 0.3750



18.0361, 0.3268, 0.3251



11.2111, 0.6164, 0.3170



1.1047, 0.5885, 0.3016

Inverse Universe

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



37.1915, 0.4393, 0.3069



30.7065, 0.4831, 0.3045



57.7795, 0.2344, 0.2748



18.0361, 0.3268, 0.3251



11.2111, 0.6164, 0.3170



1.1047, 0.5885, 0.3016

Previews

White Background



This preview shows how the Yxy color 37.1927, 0.4393, 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 37.1927, 0.4393, 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 37.1927, 0.4393, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 37.1927, 0.4393, 0.3069.



This preview shows how white text looks on a background with the Yxy color 37.1927, 0.4393, 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

37.1927, 0.4393, 0.3069

Protanopia

37.5196, 0.3138, 0.3262

Deuteranopia

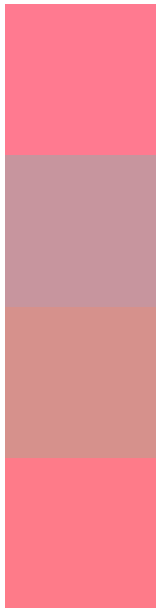
37.2358, 0.3641, 0.3563



Tritanopia

37.1796, 0.4506, 0.3202

Trichromacy



Original Color

37.1927, 0.4393, 0.3069

Protanomaly

36.1056, 0.3558, 0.3174

Deuteranomaly

36.4404, 0.3921, 0.3355

Tritanomaly

37.0429, 0.4463, 0.3151

Monochromacy



Original Color

37.1927, 0.4393, 0.3069

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

35.7995, 0.3547, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1927, 0.4393, 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, 122, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 144)  
}
```

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, 122, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 144) }
```

Border

The CSS property to change the border of an element to Yxy 37.1927, 0.4393, 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, 122, 144) }
```

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

```
.border{ border-color:rgb(255, 122, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1927, 0.4393, 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, 122, 144) }
```

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

```
.background{ background-color: rgb(255,  
122, 144) }
```

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