

Converting Colors

$Y_{xy}(42.7721, 0.4061, 0.3174)$

Have a look what the booklet for
Yxy(42.7721, 0.4061, 0.3174)
contains.

Yxy(42.7662, 0.4061, 0.3174)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.7662, 0.4061, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	F7929D
RGB	247, 146, 157
RGB Percent	97%, 57%, 62%
CMY	0.0314, 0.4274, 0.3844
CMYK	0.00, 0.41, 0.36, 0.03
HSL	353°, 86%, 77%
HSV	353°, 41%, 97%
XYZ	54.7176, 42.7662, 37.2554
YIQ	177.4530, 56.6650, 24.8330

Conversions

Conversions Part 2

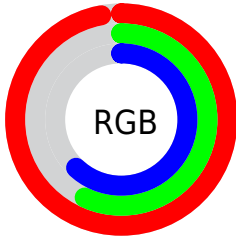
Format	Color
R _Y B	247, 146, 157
Decimal	16224925
CIE Lab	71.40, 39.24, 10.80
CIE LCh	71, 40.694, 15.386
Yxy	42.7662, 0.4061, 0.3174
Android (android.graphics.Color)	4294415005 (0xFFFF7929D)
YUV	177.4530, -10.0833, 60.9927
Hunter-Lab	65.3959, 34.9105, 12.0002

Details

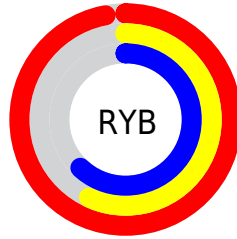
The Yxy color **42.7662, 0.4061, 0.3174** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **78.6857, 0.2616, 0.3416**, and the grayscale version is **44.2497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7364, 0.3478, 0.3189**, and **19.5607, 0.4341, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **35.2721, 0.4430, 0.3150**, and if you desaturate by 10%, it is **52.0448, 0.3753, 0.3202**.

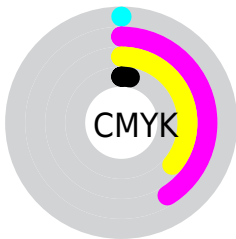
Distribution



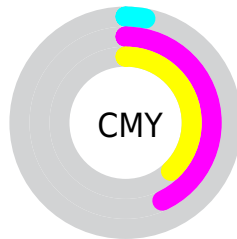
- Red (97%)
- Green (57%)
- Blue (62%)



- Red (97%)
- Yellow (57%)
- Blue (62%)



- Cyan (0%)
- Magenta (41%)
- Yellow (36%)
- Black (3%)




- Cyan (3%)
- Magenta (43%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7662, 0.4061, 0.3174 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 42.7662, 0.4061, 0.3174 by changing the saturation by 10% instead.


 42.7662, 0.4061,
0.3174

 42.7662, 0.4061,
0.3174


357.6494, 0.3583,
0.3245

 29.7017, 0.4183,
0.3152


 79.3579, 0.3885,
0.3203

 19.6123, 0.4340,
0.3122


 103.6540, 0.3820,
0.3212

 12.1135, 0.4551,
0.3079


132.4626, 0.3765,
0.3220

 6.8210, 0.4847,
0.3010

166.1683, 0.3718,
0.3227

 3.3504, 0.5288,
0.2894

205.1555, 0.3678,
0.3233

 1.3173, 0.6046,
0.2690

249.8084, 0.3642,

 0.1545, 0.8800,

0.3237

0.1200

300.5116, 0.3611,
0.3241

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.7662, 0.4061,
0.3174

42.7662, 0.4061,
0.3174

35.2721, 0.4430,
0.3150

52.0448, 0.3753,
0.3202

29.4420, 0.4853,
0.3136

63.2058, 0.3503,
0.3232

25.1504, 0.5306,
0.3136

76.3473, 0.3301,
0.3261

22.2513, 0.5739,
0.3157

91.5589, 0.3140,
0.3288

■ 20.5704, 0.6089,
0.3198

■ 98.5122, 0.3078,
0.3290

■ 19.8504, 0.6296,
0.3242

Harmonies

Analogous

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



42.7662, 0.3550, 0.2772



42.7662, 0.4061, 0.3174



42.7662, 0.4292, 0.3627

Triad

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



42.7662, 0.4061, 0.3174



42.7662, 0.3213, 0.4297



42.7662, 0.2155, 0.2463

Complementary

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



42.7662, 0.4061, 0.3174



78.6857, 0.2616, 0.3416

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.



42.7662, 0.2086, 0.2781



42.7662, 0.4061, 0.3174



42.7662, 0.2662, 0.3901

Square

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



42.7662, 0.4061, 0.3174



42.7662, 0.3768, 0.4326



42.7662, 0.2260, 0.3308



42.7662, 0.2455, 0.2373

Rectangle

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



42.7662, 0.4061, 0.3174



42.7662, 0.4250, 0.3918



42.7662, 0.2260, 0.3308



42.7662, 0.2106, 0.2543

Sweetspot

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



42.7683, 0.4061, 0.3174



80.3725, 0.3322, 0.3258



44.9753, 0.3073, 0.2251



16.7877, 0.3347, 0.3254



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.



42.7683, 0.4061, 0.3174



39.2401, 0.4359, 0.3154



56.4300, 0.3998, 0.3709



16.5117, 0.3277, 0.3265



10.5091, 0.6272, 0.3229



0.9331, 0.6023, 0.3092

Inverse Universe

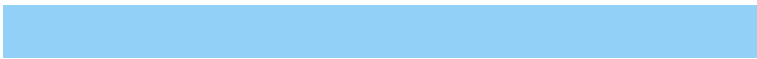
The Inverse Universe completely reimagines the original color for something new.



42.7683, 0.4061, 0.3174



39.2401, 0.4359, 0.3154



58.0771, 0.2491, 0.2821



16.5117, 0.3277, 0.3265



10.5091, 0.6272, 0.3229



0.9331, 0.6023, 0.3092

Previews

White Background



This preview shows how the Yxy color 42.7662, 0.4061, 0.3174 looks on a white background.

Color Contrast Check

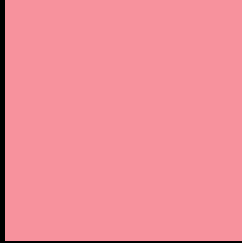
Large Text (above 18pt) WCAG AA × Fail

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 42.7662, 0.4061, 0.3174 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 42.7662, 0.4061, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 42.7662, 0.4061, 0.3174.



This preview shows how white text looks on a background with the Yxy color 42.7662, 0.4061, 0.3174.

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

42.7662, 0.4061, 0.3174

Protanopia

42.8344, 0.3188, 0.3317

Deuteranopia

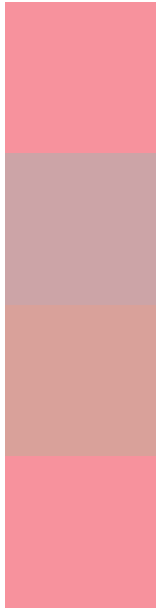
42.9552, 0.3562, 0.3497



Tritanopia

42.7662, 0.4061, 0.3174

Trichromacy



Original Color

42.7662, 0.4061, 0.3174

Protanomaly

42.1783, 0.3483, 0.3253

Deuteranomaly

42.5745, 0.3743, 0.3377

Tritanomaly

42.7662, 0.4061, 0.3174

Monochromacy



Original Color

42.7662, 0.4061, 0.3174

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

42.7313, 0.3431, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7662, 0.4061, 0.3174 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(247, 146, 157)` looks like.

```
.text, #text, p{  
    color:rgb(247, 146, 157)  
}
```

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(247, 146, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 146, 157) }
```

Border

The CSS property to change the border of an element to Yxy 42.7662, 0.4061, 0.3174 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(247, 146, 157) }
```

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

```
.border{ border-color:rgb(247, 146, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 146, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 146, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 146, 157);  
box-shadow:4px 4px 4px 4px rgb(247, 146,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7662, 0.4061, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 146, 157) }
```

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

```
.background{ background-color: rgb(247,  
146, 157) }
```

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