

Converting Colors

$Y_{xy}(47.8263, 0.3932, 0.3123)$

Have a look what the booklet for
Yxy(47.8263, 0.3932, 0.3123)
contains.

Yxy(47.8263, 0.3932, 0.3123)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.8263, 0.3932, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	FE9CAC
RGB	254, 156, 172
RGB Percent	100%, 61%, 67%
CMY	0.0038, 0.3883, 0.3254
CMYK	0.00, 0.39, 0.32, 0.00
HSL	350°, 98%, 80%
HSV	350°, 39%, 100%
XYZ	60.2155, 47.8263, 45.1004
YIQ	187.1260, 53.2720, 25.7520

Conversions

Conversions Part 2

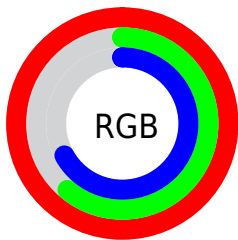
Format	Color
RYB	254, 156, 172
Decimal	16686252
CIELab	74.72, 38.42, 7.32
CIELCh	75, 39.108, 10.787
Yxy	47.8263, 0.3932, 0.3123
Android (android.graphics.Color)	4294876332 (0xFFFE9CAC)
YUV	187.1260, -7.4571, 58.6485
Hunter-Lab	69.1566, 34.3982, 9.7437

Details

The Yxy color **47.8263, 0.3932, 0.3123** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.1362, 0.2664, 0.3470**, and the grayscale version is **49.7910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8930, 0.3342, 0.3140**, and **22.6587, 0.4159, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **39.4247, 0.4263, 0.3084**, and if you desaturate by 10%, it is **58.1455, 0.3657, 0.3167**.

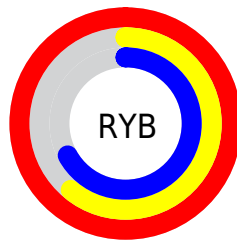
Distribution



Red (100%)

Green (61%)

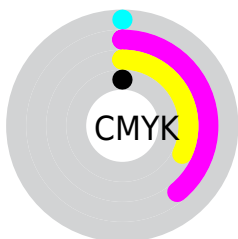
Blue (67%)



Red (100%)

Yellow (61%)

Blue (67%)

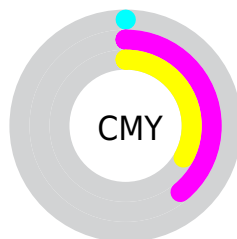


Cyan (0%)

Magenta (39%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8263, 0.3932, 0.3123 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 47.8263, 0.3932, 0.3123 by changing the saturation by 10% instead.


 47.8263, 0.3932,
0.3123


 47.8263, 0.3932,
0.3123


378.1032, 0.3529,
0.3213

 33.6894, 0.4032,
0.3099


 86.9457, 0.3786,
0.3157

 22.6551, 0.4161,
0.3066


 112.6970, 0.3731,
0.3170

 14.3390, 0.4331,
0.3022


143.0885, 0.3684,
0.3180

 8.3568, 0.4567,
0.2956

178.5046, 0.3644,
0.3189

 4.3241, 0.4913,
0.2854

219.3297, 0.3609,
0.3196

 1.8565, 0.5461,
0.2675

265.9483, 0.3579,

 0.5220, 0.7324,

0.3203

0.2414

318.7447, 0.3552,
0.3208

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.8263, 0.3932,
0.3123

47.8263, 0.3932,
0.3123

39.4247, 0.4263,
0.3084

58.1455, 0.3657,
0.3167

32.8154, 0.4650,
0.3055

70.4834, 0.3434,
0.3212

27.8696, 0.5076,
0.3045

84.9424, 0.3254,
0.3255

24.4377, 0.5506,
0.3062

99.8148, 0.3121,
0.3290

■ 22.3435, 0.5887,
0.3110

■ 21.3384, 0.6168,
0.3180

■ 21.2387, 0.6200,
0.3189

Harmonies

Analogous

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



47.8263, 0.3436, 0.2758



47.8263, 0.3932, 0.3123



47.8263, 0.4194, 0.3545

Triad

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



47.8263, 0.3932, 0.3123



47.8263, 0.3294, 0.4244



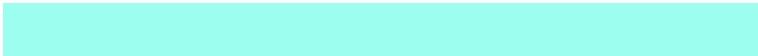
47.8263, 0.2195, 0.2553

Complementary

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



47.8263, 0.3932, 0.3123



84.1362, 0.2664, 0.3470

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.



47.8263, 0.2166, 0.2886



47.8263, 0.3932, 0.3123



47.8263, 0.2771, 0.3926

Square

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



47.8263, 0.3932, 0.3123



47.8263, 0.3797, 0.4227



47.8263, 0.2366, 0.3395



47.8263, 0.2445, 0.2434

Rectangle

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



47.8263, 0.3932, 0.3123



47.8263, 0.4191, 0.3822



47.8263, 0.2366, 0.3395



47.8263, 0.2160, 0.2641

Sweetspot

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



47.8286, 0.3932, 0.3123



80.4664, 0.3311, 0.3241



49.0536, 0.3037, 0.2294



16.8096, 0.3334, 0.3235



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.



47.8286, 0.3932, 0.3123



41.7815, 0.4172, 0.3093



59.7275, 0.3957, 0.3636



18.0355, 0.3268, 0.3251



11.2092, 0.6169, 0.3172



1.1045, 0.5891, 0.3019

Inverse Universe

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



47.8286, 0.3932, 0.3123



41.7815, 0.4172, 0.3093



66.1193, 0.2533, 0.2910



18.0355, 0.3268, 0.3251



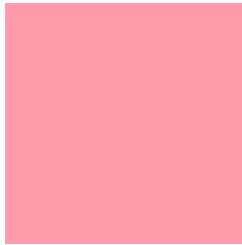
11.2092, 0.6169, 0.3172



1.1045, 0.5891, 0.3019

Previews

White Background



This preview shows how the Yxy color 47.8263, 0.3932, 0.3123 looks on a white background.

Color Contrast Check

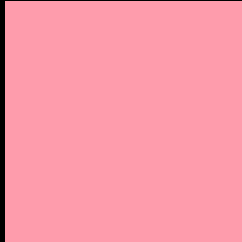
Large Text (above 18pt) WCAG AA × Fail

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 47.8263, 0.3932, 0.3123 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 47.8263, 0.3932, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 47.8263, 0.3932, 0.3123.



This preview shows how white text looks on a background with the Yxy color 47.8263, 0.3932, 0.3123.

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

47.8263, 0.3932, 0.3123

Protanopia

48.0196, 0.3130, 0.3239

Deuteranopia

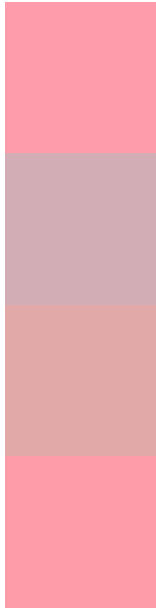
48.0778, 0.3480, 0.3414



Tritanopia

48.0119, 0.3969, 0.3176

Trichromacy



Original Color

47.8263, 0.3932, 0.3123

Protanomaly

47.1134, 0.3394, 0.3182

Deuteranomaly

47.6216, 0.3648, 0.3303

Tritanomaly

48.0493, 0.3959, 0.3166

Monochromacy



Original Color

47.8263, 0.3932, 0.3123

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.2770, 0.3389, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8263, 0.3932, 0.3123 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(254, 156, 172)` looks like.

```
.text, #text, p{  
    color:rgb(254, 156, 172)  
}
```

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(254, 156, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 156, 172) }
```

Border

The CSS property to change the border of an element to Yxy 47.8263, 0.3932, 0.3123 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(254, 156, 172) }
```

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

```
.border{ border-color:rgb(254, 156, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 156, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 156, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 156, 172);  
box-shadow:4px 4px 4px 4px rgb(254, 156,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8263, 0.3932, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 156, 172) }
```

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

```
.background{ background-color: rgb(254,  
156, 172) }
```

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