

Converting Colors

$Y_{xy}(47.7081, 0.4026, 0.3211)$

Have a look what the booklet for
Yxy(47.7081, 0.4026, 0.3211)
contains.

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Color

Yxy(47.7173, 0.4023, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	FF9CA4
RGB	255, 156, 164
RGB Percent	100%, 61%, 64%
CMY	0.0000, 0.3883, 0.3568
CMYK	0.00, 0.39, 0.36, 0.00
HSL	355°, 100%, 81%
HSV	355°, 39%, 100%
XYZ	59.8400, 47.7173, 41.1874
YIQ	186.5130, 56.4360, 23.4760

Conversions

Conversions Part 2

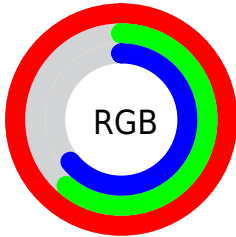
Format	Color
R _Y B	255, 156, 164
Decimal	16751780
CIE Lab	74.65, 37.82, 11.64
CIE LCh	75, 39.571, 17.112
Yxy	47.7173, 0.4023, 0.3208
Android (android.graphics.Color)	4294941860 (0xFFFF9CA4)
YUV	186.5130, -11.0989, 60.0631
Hunter-Lab	69.0777, 33.7433, 13.0029

Details

The Yxy color **47.7173, 0.4023, 0.3208** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.2998, 0.2624, 0.3378**, and the grayscale version is **49.4408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4614, 0.3400, 0.3220**, and **22.6061, 0.4288, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **39.2657, 0.4392, 0.3190**, and if you desaturate by 10%, it is **58.1128, 0.3717, 0.3229**.

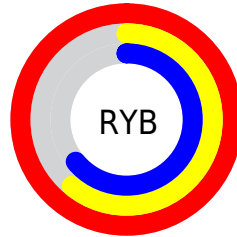
Distribution



Red (100%)

Green (61%)

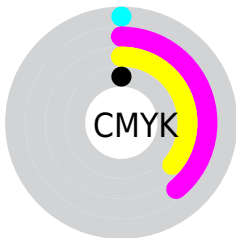
Blue (64%)



Red (100%)

Yellow (61%)

Blue (64%)

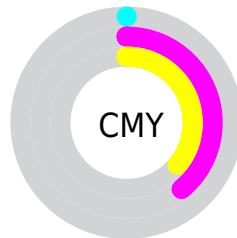


Cyan (0%)

Magenta (39%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7173, 0.4023, 0.3208 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 47.7173, 0.4023, 0.3208 by changing the saturation by 10% instead.


 47.7173, 0.4023,
0.3208


 47.7173, 0.4023,
0.3208


377.6705, 0.3573,
0.3260

 33.6031, 0.4135,
0.3192


 86.7833, 0.3859,
0.3230

 22.5888, 0.4279,
0.3169


 112.5039, 0.3798,
0.3237

 14.2902, 0.4469,
0.3135


142.8621, 0.3746,
0.3243

 8.3228, 0.4732,
0.3083

178.2423, 0.3701,
0.3248

 4.3022, 0.5115,
0.2994

219.0288, 0.3663,
0.3252

 1.8440, 0.5716,
0.2826

265.6061, 0.3629,

 0.5144, 0.7509,

0.3255

0.2491

318.3585, 0.3599,
0.3258

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.7173, 0.4023,
0.3208

47.7173, 0.4023,
0.3208

39.2657, 0.4392,
0.3190

58.1128, 0.3717,
0.3229

32.6483, 0.4819,
0.3178

70.5759, 0.3469,
0.3251

27.7256, 0.5281,
0.3178

85.2055, 0.3270,
0.3272

24.3430, 0.5727,
0.3192

100.0000, 0.3127,
0.3290

■ 22.3179, 0.6090,
0.3223

■ 21.3884, 0.6316,
0.3261

■ 21.3130, 0.6334,
0.3263

Harmonies

Analogous

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



47.7173, 0.3557, 0.2821



47.7173, 0.4023, 0.3208



47.7173, 0.4223, 0.3637

Triad

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



47.7173, 0.4023, 0.3208



47.7173, 0.3180, 0.4217



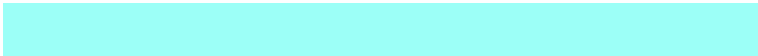
47.7173, 0.2220, 0.2501

Complementary

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



47.7173, 0.4023, 0.3208



85.2998, 0.2624, 0.3378

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.



47.7173, 0.2142, 0.2792



47.7173, 0.4023, 0.3208



47.7173, 0.2666, 0.3831

Square

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



47.7173, 0.4023, 0.3208



47.7173, 0.3706, 0.4269



47.7173, 0.2295, 0.3278



47.7173, 0.2517, 0.2425

Rectangle

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



47.7173, 0.4023, 0.3208



47.7173, 0.4172, 0.3909



47.7173, 0.2295, 0.3278



47.7173, 0.2169, 0.2574

Sweetspot

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



47.7132, 0.4023, 0.3208



80.3262, 0.3328, 0.3266



50.7206, 0.3104, 0.2308



16.7769, 0.3353, 0.3263



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.



47.7132, 0.4023, 0.3208



40.6703, 0.4320, 0.3193



63.7021, 0.3930, 0.3722



18.0110, 0.3282, 0.3271



11.1448, 0.6315, 0.3252



1.0930, 0.6134, 0.3153

Inverse Universe

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



47.7132, 0.4023, 0.3208



40.6703, 0.4320, 0.3193



62.2502, 0.2514, 0.2808



18.0110, 0.3282, 0.3271



11.1448, 0.6315, 0.3252



1.0930, 0.6134, 0.3153

Previews

White Background



This preview shows how the Yxy color 47.7173, 0.4023, 0.3208 looks on a white background.

Color Contrast Check

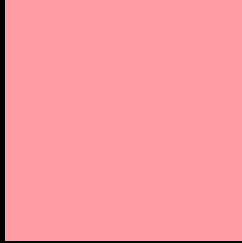
Large Text (above 18pt) WCAG AA × Fail

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 47.7173, 0.4023, 0.3208 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 47.7173, 0.4023, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 47.7173, 0.4023, 0.3208.



This preview shows how white text looks on a background with the Yxy color 47.7173, 0.4023, 0.3208.

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

47.7173, 0.4023, 0.3208

Protanopia

47.9405, 0.3210, 0.3341

Deuteranopia

47.6840, 0.3571, 0.3500



Tritanopia

47.8270, 0.3992, 0.3177

Trichromacy



Original Color

47.7173, 0.4023, 0.3208



Protanomaly

47.0893, 0.3483, 0.3279



Deuteranomaly

47.1179, 0.3735, 0.3385



Tritanomaly

47.7901, 0.4002, 0.3187

Monochromacy



Original Color

47.7173, 0.4023, 0.3208



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

48.3024, 0.3424, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7173, 0.4023, 0.3208 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, 156, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 164)  
}
```

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, 156, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 164) }
```

Border

The CSS property to change the border of an element to Yxy 47.7173, 0.4023, 0.3208 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, 156, 164) }
```

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

```
.border{ border-color:rgb(255, 156, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7173, 0.4023, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 164) }
```

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

```
.background{ background-color: rgb(255,  
156, 164) }
```

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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