

Converting Colors

$Yxy(47.6817, 0.3940, 0.3222)$

Have a look what the booklet for
Yxy(47.6817, 0.3940, 0.3222)
contains.

Yxy(47.6892, 0.3936, 0.3217)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6892, 0.3936, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	F99FA6
RGB	249, 159, 166
RGB Percent	98%, 62%, 65%
CMY	0.0235, 0.3764, 0.3490
CMYK	0.00, 0.36, 0.33, 0.02
HSL	355°, 88%, 80%
HSV	355°, 36%, 98%
XYZ	58.3477, 47.6892, 42.2043
YIQ	186.7080, 51.3930, 21.2570

Conversions

Conversions Part 2

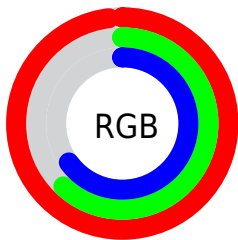
Format	Color
R_{YB}	249, 159, 166
Decimal	16359334
CIE _{Lab}	74.63, 34.30, 10.43
CIE _{LCh}	75, 35.855, 16.915
Yxy	47.6892, 0.3936, 0.3217
Android (android.graphics.Color)	4294549414 (0xFFFF99FA6)
YUV	186.7080, -10.2090, 54.6301
Hunter-Lab	69.0574, 29.9673, 12.1052

Details

The Yxy color **47.6892, 0.3936, 0.3217** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **81.5345, 0.2652, 0.3368**, and the grayscale version is **49.5592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0813, 0.3381, 0.3230**, and **22.4701, 0.4168, 0.3183** is the 20% darker color. If you saturate the color by 10%, you get **39.2037, 0.4289, 0.3199**, and if you desaturate by 10%, it is **58.0546, 0.3646, 0.3238**.

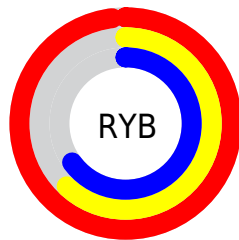
Distribution



Red (98%)

Green (62%)

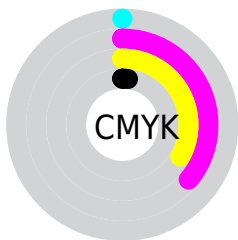
Blue (65%)



Red (98%)

Yellow (62%)

Blue (65%)

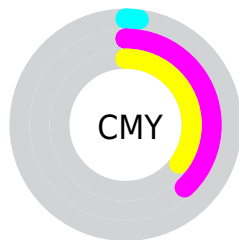


Cyan (0%)

Magenta (36%)

Yellow (33%)

Black (2%)



Cyan (2%)


Magenta (38%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6892, 0.3936, 0.3217 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 47.6892, 0.3936, 0.3217 by changing the saturation by 10% instead.


 47.6892, 0.3936,
0.3217

 47.6892, 0.3936,
0.3217


377.5589, 0.3530,
0.3263

 33.5808, 0.4038,
0.3203


 86.7415, 0.3788,
0.3236

 22.5718, 0.4168,
0.3183


 112.4542, 0.3733,
0.3242

 14.2776, 0.4340,
0.3154


142.8037, 0.3686,
0.3247

 8.3140, 0.4580,
0.3109

178.1746, 0.3646,
0.3252

 4.2965, 0.4931,
0.3033

218.9512, 0.3611,
0.3255

 1.8408, 0.5488,
0.2887

265.5178, 0.3580,

 0.5124, 0.7352,

0.3258

0.2648

318.2589, 0.3553,
0.3261

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.6892, 0.3936,
0.3217

47.6892, 0.3936,
0.3217

39.2037, 0.4289,
0.3199

58.0546, 0.3646,
0.3238

32.4789, 0.4703,
0.3185

70.3959, 0.3411,
0.3259

27.3931, 0.5160,
0.3182

84.8108, 0.3223,
0.3278

23.8059, 0.5617,
0.3192

98.8798, 0.3090,
0.3290

■ 21.5535, 0.6008,
0.3217

■ 20.4331, 0.6272,
0.3254

■ 20.1880, 0.6337,
0.3265

Harmonies

Analogous

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



47.6892, 0.3515, 0.2860



47.6892, 0.3936, 0.3217



47.6892, 0.4120, 0.3612

Triad

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



47.6892, 0.3936, 0.3217



47.6892, 0.3183, 0.4124



47.6892, 0.2296, 0.2573

Complementary

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



47.6892, 0.3936, 0.3217



81.5345, 0.2652, 0.3368

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.



47.6892, 0.2226, 0.2844



47.6892, 0.3936, 0.3217



47.6892, 0.2713, 0.3780

Square

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



47.6892, 0.3936, 0.3217



47.6892, 0.3661, 0.4177



47.6892, 0.2371, 0.3286



47.6892, 0.2569, 0.2498

Rectangle

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



47.6892, 0.3936, 0.3217



47.6892, 0.4078, 0.3859



47.6892, 0.2371, 0.3286



47.6892, 0.2249, 0.2642

Sweetspot

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



47.6915, 0.3936, 0.3217



81.8352, 0.3310, 0.3269



50.4272, 0.3107, 0.2376



17.0776, 0.3335, 0.3266



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.



47.6915, 0.3936, 0.3217



43.9466, 0.4173, 0.3204



62.3509, 0.3858, 0.3691



17.2471, 0.3282, 0.3272



10.8140, 0.6318, 0.3254



1.0089, 0.6135, 0.3153

Inverse Universe

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



47.6915, 0.3936, 0.3217



43.9466, 0.4173, 0.3204



61.0501, 0.2557, 0.2848



17.2471, 0.3282, 0.3272



10.8140, 0.6318, 0.3254



1.0089, 0.6135, 0.3153

Previews

White Background



This preview shows how the Yxy color 47.6892, 0.3936, 0.3217 looks on a white background.

Color Contrast Check

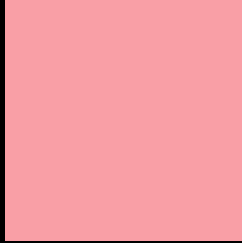
Large Text (above 18pt) WCAG AA × Fail

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 47.6892, 0.3936, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

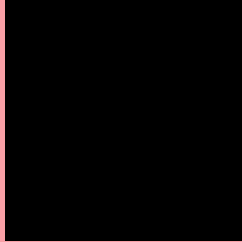
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6892, 0.3936, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 47.6892, 0.3936, 0.3217.



This preview shows how white text looks on a background with the Yxy color 47.6892, 0.3936, 0.3217.

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

47.6892, 0.3936, 0.3217

Protanopia

47.8130, 0.3202, 0.3342

Deuteranopia

47.7903, 0.3544, 0.3463



Tritanopia

47.4957, 0.3899, 0.3163

Trichromacy



Original Color

47.6892, 0.3936, 0.3217

Protanomaly

47.0297, 0.3454, 0.3291

Deuteranomaly

47.2771, 0.3685, 0.3362

Tritanomaly

47.4580, 0.3909, 0.3174

Monochromacy



Original Color

47.6892, 0.3936, 0.3217

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

48.4006, 0.3404, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6892, 0.3936, 0.3217 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(249, 159, 166)` looks like.

```
.text, #text, p{  
    color:rgb(249, 159, 166)  
}
```

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(249, 159, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 159, 166) }
```

Border

The CSS property to change the border of an element to Yxy 47.6892, 0.3936, 0.3217 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(249, 159, 166) }
```

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

```
.border{ border-color:rgb(249, 159, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 159, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 159, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 159, 166);  
box-shadow:4px 4px 4px 4px rgb(249, 159,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6892, 0.3936, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 159, 166) }
```

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

```
.background{ background-color: rgb(249,  
159, 166) }
```

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