

Converting Colors

$Y_{xy}(48.0089, 0.3905, 0.3081)$

Have a look what the booklet for
Yxy(48.0089, 0.3905, 0.3081)
contains.

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Color

Yxy(48.1715, 0.3901, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	FF9CB0
RGB	255, 156, 176
RGB Percent	100%, 61%, 69%
CMY	0.0000, 0.3883, 0.3098
CMYK	0.00, 0.39, 0.31, 0.00
HSL	348°, 100%, 81%
HSV	348°, 39%, 100%
XYZ	60.9724, 48.1715, 47.1556
YIQ	187.8810, 52.5840, 27.2080

Conversions

Conversions Part 2

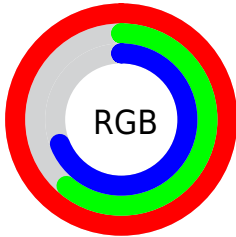
Format	Color
R _Y B	255, 156, 176
Decimal	16751792
CIE _{Lab}	74.93, 39.27, 5.46
CIE _{LCh}	75, 39.649, 7.921
Yxy	48.1715, 0.3901, 0.3082
Android (android.graphics.Color)	4294941872 (0xFFFF9CB0)
YUV	187.8810, -5.8573, 58.8634
Hunter-Lab	69.4057, 35.3511, 8.3012

Details

The Yxy color **48.1715, 0.3901, 0.3082** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.5849, 0.2680, 0.3516**, and the grayscale version is **50.2254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1732, 0.3306, 0.3091**, and **22.8915, 0.4113, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **39.7445, 0.4216, 0.3033**, and if you desaturate by 10%, it is **58.5089, 0.3639, 0.3137**.

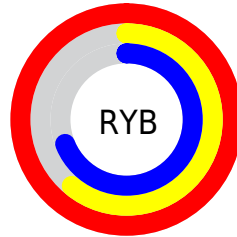
Distribution



Red (100%)

Green (61%)

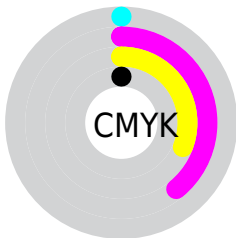
Blue (69%)



Red (100%)

Yellow (61%)

Blue (69%)

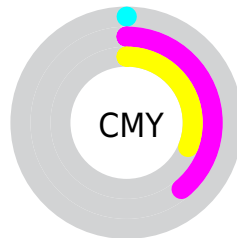


Cyan (0%)

Magenta (39%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1715, 0.3901, 0.3082 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 48.1715, 0.3901, 0.3082 by changing the saturation by 10% instead.

 48.1715, 0.3901,
0.3082


 48.1715, 0.3901,
0.3082


379.4715, 0.3514,
0.3191

 33.9627, 0.3997,
0.3054


 87.4597, 0.3761,
0.3122

 22.8650, 0.4120,
0.3017


 113.3079, 0.3708,
0.3137

 14.4938, 0.4282,
0.2966


143.8047, 0.3663,
0.3150

 8.4649, 0.4507,
0.2894

179.3345, 0.3625,
0.3161

 4.3939, 0.4836,
0.2784

220.2817, 0.3592,
0.3170

 1.8962, 0.5357,
0.2598

267.0307, 0.3563,

 0.5461, 0.6852,

0.3178

0.2266

319.9658, 0.3537,
0.3185

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.1715, 0.3901,
0.3082

48.1715, 0.3901,
0.3082

39.7445, 0.4216,
0.3033

58.5089, 0.3639,
0.3137

33.1190, 0.4584,
0.2996

70.8749, 0.3425,
0.3192

28.1597, 0.4992,
0.2981

85.3667, 0.3252,
0.3246

24.7165, 0.5408,
0.2997

100.0000, 0.3127,
0.3290

■ 22.6118, 0.5787,
0.3049

■ 21.5904, 0.6081,
0.3131

■ 21.5036, 0.6110,
0.3140

Harmonies

Analogous

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



48.1715, 0.3385, 0.2722



48.1715, 0.3901, 0.3082



48.1715, 0.4195, 0.3506

Triad

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



48.1715, 0.3901, 0.3082



48.1715, 0.3347, 0.4269



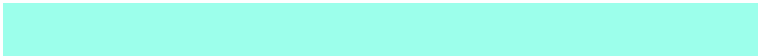
48.1715, 0.2173, 0.2568

Complementary

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



48.1715, 0.3901, 0.3082



84.5849, 0.2680, 0.3516

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.



48.1715, 0.2165, 0.2924



48.1715, 0.3901, 0.3082



48.1715, 0.2814, 0.3977

Square

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



48.1715, 0.3901, 0.3082



48.1715, 0.3845, 0.4220



48.1715, 0.2388, 0.3449



48.1715, 0.2405, 0.2427

Rectangle

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



48.1715, 0.3901, 0.3082



48.1715, 0.4212, 0.3788



48.1715, 0.2388, 0.3449



48.1715, 0.2145, 0.2663

Sweetspot

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



48.1683, 0.3901, 0.3082



80.5325, 0.3303, 0.3229



48.4099, 0.2995, 0.2276



16.8250, 0.3325, 0.3222



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.



48.1683, 0.3901, 0.3082



41.1457, 0.4155, 0.3041



57.9590, 0.3985, 0.3587



18.0471, 0.3262, 0.3242



11.2529, 0.6074, 0.3120



1.1104, 0.5776, 0.2955

Inverse Universe

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



48.1683, 0.3901, 0.3082



41.1457, 0.4155, 0.3041



69.1964, 0.2539, 0.2967



18.0471, 0.3262, 0.3242



11.2529, 0.6074, 0.3120



1.1104, 0.5776, 0.2955

Previews

White Background



This preview shows how the Yxy color 48.1715, 0.3901, 0.3082 looks on a white background.

Color Contrast Check

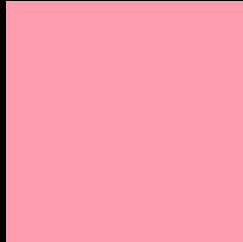
Large Text (above 18pt) WCAG AA × Fail

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 48.1715, 0.3901, 0.3082 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 48.1715, 0.3901, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 48.1715, 0.3901, 0.3082.



This preview shows how white text looks on a background with the Yxy color 48.1715, 0.3901, 0.3082.

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

48.1715, 0.3901, 0.3082

Protanopia

48.5259, 0.3082, 0.3188

Deuteranopia

48.0847, 0.3436, 0.3365



Tritanopia

48.0493, 0.3959, 0.3166

Trichromacy



Original Color

48.1715, 0.3901, 0.3082



Protanomaly

47.6662, 0.3357, 0.3146



Deuteranomaly

47.6139, 0.3601, 0.3256



Tritanomaly

48.1633, 0.3929, 0.3134

Monochromacy



Original Color

48.1715, 0.3901, 0.3082



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.5084, 0.3380, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1715, 0.3901, 0.3082 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 176) }
```

Border

The CSS property to change the border of an element to Yxy 48.1715, 0.3901, 0.3082 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, 176) }
```

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

```
.border{ border-color:rgb(255, 156, 176) }
```

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, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1715, 0.3901, 0.3082 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, 176) }
```

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

```
.background{ background-color: rgb(255,  
156, 176) }
```

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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