

Converting Colors

$Y_{xy}(61.8096, 0.4299, 0.3082)$

Have a look what the booklet for
Yxy(61.8096, 0.4299, 0.3082)
contains.

Yxy(49.5170, 0.3811, 0.3030)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.5170, 0.3811, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	FF9FB8
RGB	255, 159, 184
RGB Percent	100%, 62%, 72%
CMY	0.0001, 0.3764, 0.2784
CMYK	0.00, 0.38, 0.28, 0.00
HSL	344°, 100%, 81%
HSV	344°, 38%, 100%
XYZ	62.2803, 49.5170, 51.6251
YIQ	190.5540, 49.1910, 28.1270

Conversions

Conversions Part 2

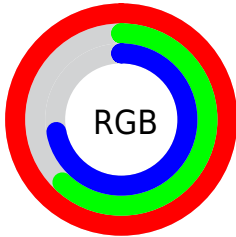
Format	Color
R _Y B	255, 159, 184
Decimal	16752568
CIE Lab	75.77, 38.72, 2.27
CIE LCh	76, 38.783, 3.360
Yxy	49.5170, 0.3811, 0.3030
Android (android.graphics.Color)	4294942648 (0xFFFF9FB8)
YUV	190.5540, -3.2311, 56.5191
Hunter-Lab	70.3683, 34.8389, 5.7602

Details

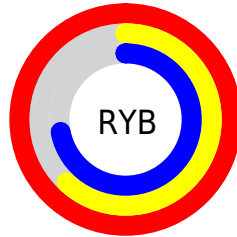
The Yxy color **49.5170, 0.3811, 0.3030** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.5828, 0.2718, 0.3573**, and the grayscale version is **51.8287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1521, 0.3247, 0.3043**, and **23.6825, 0.3999, 0.2958** is the 20% darker color. If you saturate the color by 10%, you get **40.8957, 0.4094, 0.2964**, and if you desaturate by 10%, it is **60.0570, 0.3575, 0.3101**.

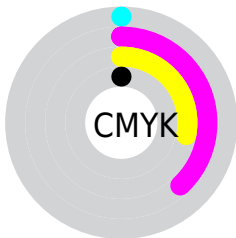
Distribution



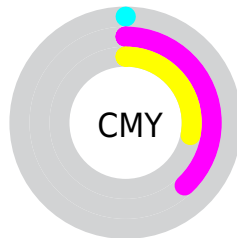
- Red (100%)
- Green (62%)
- Blue (72%)



- Red (100%)
- Yellow (62%)
- Blue (72%)



- Cyan (0%)
- Magenta (38%)
- Yellow (28%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5170, 0.3811, 0.3030 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 49.5170, 0.3811, 0.3030 by changing the saturation by 10% instead.


 49.5170, 0.3811,
0.3030

 49.5170, 0.3811,
0.3030


384.7741, 0.3472,
0.3161

 35.0298, 0.3895,
0.2997


 89.4588, 0.3689,
0.3078

 23.6858, 0.4001,
0.2955


 115.6822, 0.3642,
0.3095

 15.1007, 0.4141,
0.2899


146.5865, 0.3603,
0.3111

 8.8901, 0.4334,
0.2822

182.5559, 0.3570,
0.3123

 4.6696, 0.4615,
0.2707

223.9750, 0.3540,
0.3135

 2.0547, 0.5059,
0.2522

271.2282, 0.3515,

 0.6390, 0.6010,

0.3144

0.2168

324.6997, 0.3492,
0.3153

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.5170, 0.3811,
0.3030

49.5170, 0.3811,
0.3030

40.8957, 0.4094,
0.2964

60.0570, 0.3575,
0.3101

34.0697, 0.4426,
0.2911

72.6147, 0.3383,
0.3173

28.9127, 0.4799,
0.2882

87.2911, 0.3226,
0.3241

25.2784, 0.5190,
0.2888

99.9931, 0.3127,
0.3290

■ 22.9951, 0.5563,
0.2936

■ 21.8375, 0.5878,
0.3025

■ 21.6510, 0.5943,
0.3048

Harmonies

Analogous

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



49.5170, 0.3295, 0.2694



49.5170, 0.3811, 0.3030



49.5170, 0.4138, 0.3438

Triad

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



49.5170, 0.3811, 0.3030



49.5170, 0.3421, 0.4251



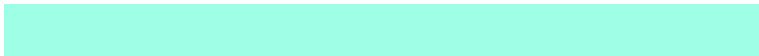
49.5170, 0.2184, 0.2629

Complementary

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



49.5170, 0.3811, 0.3030



84.5828, 0.2718, 0.3573

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.



49.5170, 0.2211, 0.3006



49.5170, 0.3811, 0.3030



49.5170, 0.2899, 0.4017

Square

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



49.5170, 0.3811, 0.3030



49.5170, 0.3887, 0.4161



49.5170, 0.2462, 0.3528



49.5170, 0.2378, 0.2459

Rectangle

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



49.5170, 0.3811, 0.3030



49.5170, 0.4188, 0.3715



49.5170, 0.2462, 0.3528



49.5170, 0.2168, 0.2733

Sweetspot

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



49.5194, 0.3811, 0.3030



82.1259, 0.3275, 0.3218



48.7437, 0.2962, 0.2296



17.1464, 0.3296, 0.3209



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.



49.5194, 0.3811, 0.3030



42.9964, 0.4015, 0.2981



56.9727, 0.3969, 0.3528



18.0647, 0.3253, 0.3228



11.3373, 0.5903, 0.3025



1.1209, 0.5586, 0.2851

Inverse Universe

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



49.5194, 0.3811, 0.3030



42.9964, 0.4015, 0.2981



72.6307, 0.2564, 0.3034



18.0647, 0.3253, 0.3228



11.3373, 0.5903, 0.3025



1.1209, 0.5586, 0.2851

Previews

White Background



This preview shows how the Yxy color 49.5170, 0.3811, 0.3030 looks on a white background.

Color Contrast Check

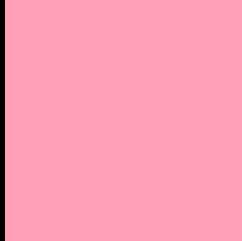
Large Text (above 18pt) WCAG AA × Fail

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 49.5170, 0.3811, 0.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

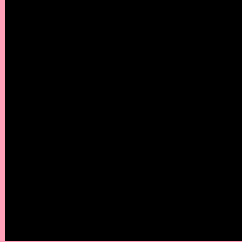
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5170, 0.3811, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 49.5170, 0.3811, 0.3030.



This preview shows how white text looks on a background with the Yxy color 49.5170, 0.3811, 0.3030.

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

49.5170, 0.3811, 0.3030

Protanopia

49.8527, 0.3029, 0.3115

Deuteranopia

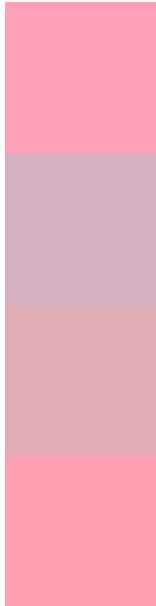
49.7529, 0.3371, 0.3303



Tritanopia

49.5777, 0.3905, 0.3165

Trichromacy



Original Color

49.5170, 0.3811, 0.3030

Protanomaly

48.9428, 0.3295, 0.3077

Deuteranomaly

49.2309, 0.3530, 0.3198

Tritanomaly

49.3868, 0.3869, 0.3113

Monochromacy



Original Color

49.5170, 0.3811, 0.3030

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

50.1672, 0.3359, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5170, 0.3811, 0.3030 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, 159, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 184)  
}
```

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, 159, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 184) }
```

Border

The CSS property to change the border of an element to Yxy 49.5170, 0.3811, 0.3030 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, 159, 184) }
```

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

```
.border{ border-color:rgb(255, 159, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 159, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5170, 0.3811, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 184) }
```

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

```
.background{ background-color: rgb(255,  
159, 184) }
```

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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