

Converting Colors

$Y_{xy}(49.3020, 0.3606, 0.2905)$

Have a look what the booklet for
Yxy(49.3020, 0.3606, 0.2905)
contains.

Yxy(49.2951, 0.3608, 0.2907)	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(49.2951, 0.3608, 0.2907)

Conversions

Conversions Part 1

Format	Color
Hex	F7A1C5
RGB	247, 161, 197
RGB Percent	97%, 63%, 77%
CMY	0.0313, 0.3686, 0.2276
CMYK	0.00, 0.35, 0.20, 0.03
HSL	335°, 84%, 80%
HSV	335°, 35%, 97%
XYZ	61.1822, 49.2951, 59.0965
YIQ	190.8180, 39.7000, 29.4280

Conversions

Conversions Part 2

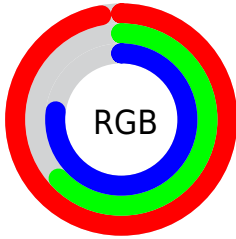
Format	Color
R_{YB}	247, 161, 197
Decimal	16228805
CIE Lab	75.63, 36.74, -5.15
CIE LCh	76, 37.100, 352.020
Yxy	49.2951, 0.3608, 0.2907
Android (android.graphics.Color)	4294418885 (0xFFF7A1C5)
YUV	190.8180, 3.0477, 49.2716
Hunter-Lab	70.2105, 32.6787, -0.7573

Details

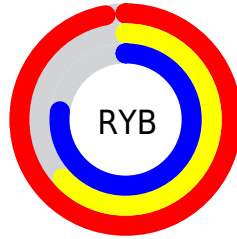
The Yxy color $49.2951, 0.3608, 0.2907$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $78.8143, 0.2814, 0.3713$, and the grayscale version is $51.9551, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.0415, 0.3151, 0.2930$, and $23.5271, 0.3740, 0.2810$ is the 20% darker color. If you saturate the color by 10%, you get $40.8724, 0.3813, 0.2797$, and if you desaturate by 10%, it is $59.4905, 0.3436, 0.3021$.

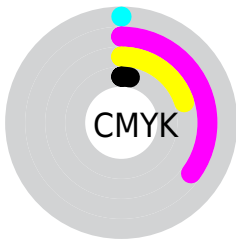
Distribution



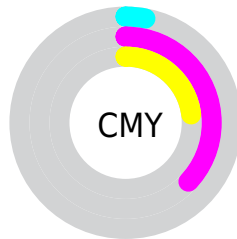
- Red (97%)
- Green (63%)
- Blue (77%)



- Red (97%)
- Yellow (63%)
- Blue (77%)



- Cyan (0%)
- Magenta (35%)
- Yellow (20%)
- Black (3%)





- Cyan (3%)
- Magenta (37%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2951, 0.3608, 0.2907 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 49.2951, 0.3608, 0.2907 by changing the saturation by 10% instead.


 49.2951, 0.3608,
0.2907

 49.2951, 0.3608,
0.2907


383.9029, 0.3372,
0.3092

 34.8536, 0.3665,
0.2863


 89.1296, 0.3523,
0.2973

 23.5501, 0.3738,
0.2807


 115.2914, 0.3491,
0.2998

 15.0003, 0.3834,
0.2735


146.1288, 0.3464,
0.3019

 8.8196, 0.3964,
0.2637

182.0261, 0.3441,
0.3038

 4.6237, 0.4152,
0.2499

223.3678, 0.3420,
0.3054

 2.0282, 0.4448,
0.2287

270.5382, 0.3402,

 0.6238, 0.5008,

0.3068

0.1870

323.9218, 0.3387,
0.3081

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.2951, 0.3608,
0.2907

49.2951, 0.3608,
0.2907

40.8724, 0.3813,
0.2797

59.4905, 0.3436,
0.3021

34.1128, 0.4052,
0.2700

71.5459, 0.3293,
0.3133

28.9052, 0.4323,
0.2626

85.5513, 0.3176,
0.3241

25.1220, 0.4617,
0.2589

98.4823, 0.3081,
0.3295

■ 22.6148, 0.4918,
0.2602

■ 98.5172, 0.3078,
0.3290

■ 21.2018, 0.5207,
0.2669

■ 20.7625, 0.5347,
0.2719

Harmonies

Analogous

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



49.2951, 0.3091, 0.2625



49.2951, 0.3608, 0.2907



49.2951, 0.4007, 0.3282

Triad

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



49.2951, 0.3608, 0.2907



49.2951, 0.3594, 0.4211



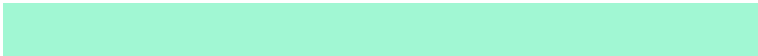
49.2951, 0.2204, 0.2772

Complementary

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



49.2951, 0.3608, 0.2907



78.8143, 0.2814, 0.3713

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.



49.2951, 0.2314, 0.3199



49.2951, 0.3608, 0.2907



49.2951, 0.3097, 0.4105

Square

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



49.2951, 0.3608, 0.2907



49.2951, 0.3984, 0.4032



49.2951, 0.2631, 0.3711



49.2951, 0.2312, 0.2530

Rectangle

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



49.2951, 0.3608, 0.2907



49.2951, 0.4133, 0.3552



49.2951, 0.2631, 0.3711



49.2951, 0.2216, 0.2897

Sweetspot

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



49.2974, 0.3608, 0.2907



83.8767, 0.3234, 0.3186



45.8707, 0.2862, 0.2342



17.5053, 0.3251, 0.3170



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.



49.2974, 0.3608, 0.2907



46.2448, 0.3753, 0.2827



49.8912, 0.3938, 0.3355



16.5975, 0.3228, 0.3191



11.0058, 0.5305, 0.2696



0.9873, 0.4981, 0.2518

Inverse Universe

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



49.2974, 0.3608, 0.2907



46.2448, 0.3753, 0.2827



77.3714, 0.2626, 0.3224



16.5975, 0.3228, 0.3191



11.0058, 0.5305, 0.2696



0.9873, 0.4981, 0.2518

Previews

White Background



This preview shows how the Yxy color 49.2951, 0.3608, 0.2907 looks on a white background.

Color Contrast Check

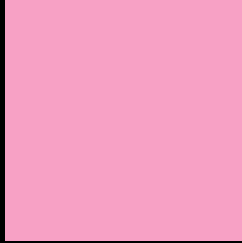
Large Text (above 18pt) WCAG AA × Fail

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 49.2951, 0.3608, 0.2907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

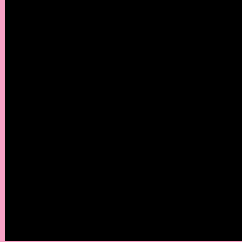
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2951, 0.3608, 0.2907

Background



This preview shows how black text looks on a background with the Yxy color 49.2951, 0.3608, 0.2907.



This preview shows how white text looks on a background with the Yxy color 49.2951, 0.3608, 0.2907.

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

49.2951, 0.3608, 0.2907

Protanopia

49.5187, 0.2910, 0.2955

Deuteranopia

49.4546, 0.3211, 0.3144



Tritanopia

49.4971, 0.3771, 0.3161

Trichromacy



Original Color

49.2951, 0.3608, 0.2907



Protanomaly

48.6775, 0.3136, 0.2922



Deuteranomaly

49.0726, 0.3350, 0.3057



Tritanomaly

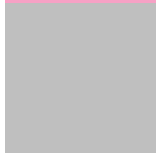
49.6044, 0.3716, 0.3075

Monochromacy



Original Color

49.2951, 0.3608, 0.2907



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.3417, 0.3290, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2951, 0.3608, 0.2907 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(247, 161, 197)` looks like.

```
.text, #text, p{  
    color:rgb(247, 161, 197)  
}
```

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(247, 161, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 161, 197) }
```

Border

The CSS property to change the border of an element to Yxy 49.2951, 0.3608, 0.2907 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(247, 161, 197) }
```

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

```
.border{ border-color:rgb(247, 161, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 161, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 161, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 161, 197);  
box-shadow:4px 4px 4px 4px rgb(247, 161,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2951, 0.3608, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 161, 197) }
```

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

```
.background{ background-color: rgb(247,  
161, 197) }
```

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