

Converting Colors

$Y_{xy}(48.1125, 0.3690, 0.2826)$

Have a look what the booklet for
Yxy(48.1125, 0.3690, 0.2826)
contains.

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Color

Yxy(48.1197, 0.3688, 0.2825)

Conversions

Conversions Part 1

Format	Color
Hex	FF99C6
RGB	255, 153, 198
RGB Percent	100%, 60%, 78%
CMY	0.0000, 0.3999, 0.2236
CMYK	0.00, 0.40, 0.22, 0.00
HSL	334°, 100%, 80%
HSV	334°, 40%, 100%
XYZ	62.8196, 48.1197, 59.3959
YIQ	188.6280, 46.3470, 35.6190

Conversions

Conversions Part 2

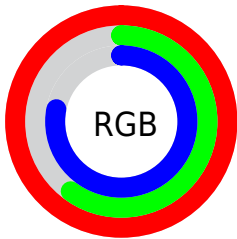
Format	Color
R _Y B	255, 153, 198
Decimal	16751046
CIE Lab	74.90, 43.72, -6.69
CIE LCh	75, 44.231, 351.299
Yxy	48.1197, 0.3688, 0.2825
Android (android.graphics.Color)	4294941126 (0xFFFF99C6)
YUV	188.6280, 4.6204, 58.2082
Hunter-Lab	69.3684, 40.2540, -2.2085

Details

The Yxy color **48.1197, 0.3688, 0.2825** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.9398, 0.2786, 0.3817**, and the grayscale version is **50.6205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **22.8637, 0.3838, 0.2712** is the 20% darker color. If you saturate the color by 10%, you get **40.0199, 0.3901, 0.2714**, and if you desaturate by 10%, it is **58.0693, 0.3507, 0.2944**.

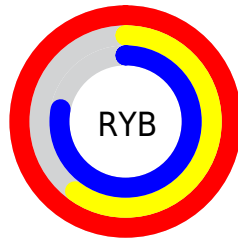
Distribution



Red (100%)

Green (60%)

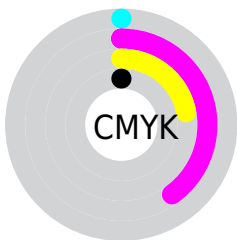
Blue (78%)



Red (100%)

Yellow (60%)

Blue (78%)

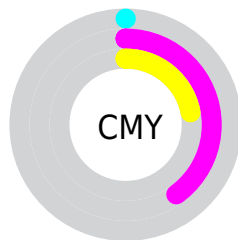


Cyan (0%)

Magenta (40%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1197, 0.3688, 0.2825 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 48.1197, 0.3688, 0.2825 by changing the saturation by 10% instead.

 48.1197, 0.3688,
0.2825


 48.1197, 0.3688,
0.2825


379.2664, 0.3413,
0.3049

 33.9217, 0.3755,
0.2772


 87.3826, 0.3589,
0.2904

 22.8334, 0.3840,
0.2705


 113.2163, 0.3552,
0.2935

 14.4706, 0.3951,
0.2618


143.6973, 0.3520,
0.2961

 8.4487, 0.4102,
0.2502

179.2101, 0.3493,
0.2983

 4.3834, 0.4320,
0.2338

220.1390, 0.3469,
0.3003

 1.8902, 0.4660,
0.2092

266.8684, 0.3448,

 0.5425, 0.5318,

0.3020

0.1584

319.7827, 0.3430,
0.3035

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.1197, 0.3688,
0.2825

48.1197, 0.3688,
0.2825

40.0199, 0.3901,
0.2714

58.0693, 0.3507,
0.2944

33.6467, 0.4146,
0.2622

69.9679, 0.3355,
0.3064

28.8727, 0.4417,
0.2561

83.9159, 0.3230,
0.3180

25.5495, 0.4703,
0.2545

99.9976, 0.3127,
0.3290

■ 23.5006, 0.4988,
0.2581

■ 22.4385, 0.5254,
0.2668

■ 22.4377, 0.5255,
0.2668

Harmonies

Analogous

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



48.1197, 0.3063, 0.2502



48.1197, 0.3688, 0.2825



48.1197, 0.4179, 0.3257

Triad

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



48.1197, 0.3688, 0.2825



48.1197, 0.3686, 0.4397



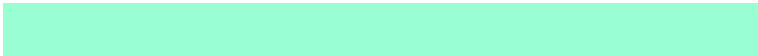
48.1197, 0.2040, 0.2673

Complementary

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



48.1197, 0.3688, 0.2825



82.9398, 0.2786, 0.3817

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.



48.1197, 0.2169, 0.3185



48.1197, 0.3688, 0.2825



48.1197, 0.3095, 0.4294

Square

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



48.1197, 0.3688, 0.2825



48.1197, 0.4153, 0.4153



48.1197, 0.2542, 0.3814



48.1197, 0.2159, 0.2392

Rectangle

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



48.1197, 0.3688, 0.2825



48.1197, 0.4333, 0.3571



48.1197, 0.2542, 0.3814



48.1197, 0.2055, 0.2820

Sweetspot

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



48.1220, 0.3688, 0.2825



80.9535, 0.3253, 0.3157



43.5768, 0.2796, 0.2185



16.9237, 0.3269, 0.3142



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.



48.1220, 0.3688, 0.2825



41.4957, 0.3856, 0.2735



48.0508, 0.4125, 0.3347



18.1202, 0.3225, 0.3186



11.7544, 0.5214, 0.2646



1.1660, 0.4929, 0.2489

Inverse Universe

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



48.1220, 0.3688, 0.2825



41.4957, 0.3856, 0.2735



82.2953, 0.2566, 0.3231



18.1202, 0.3225, 0.3186



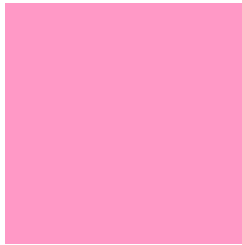
11.7544, 0.5214, 0.2646



1.1660, 0.4929, 0.2489

Previews

White Background



This preview shows how the Yxy color 48.1197, 0.3688, 0.2825 looks on a white background.

Color Contrast Check

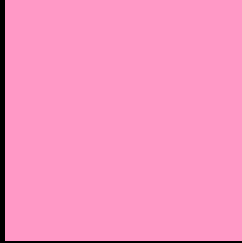
Large Text (above 18pt) WCAG AA × Fail

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 48.1197, 0.3688, 0.2825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

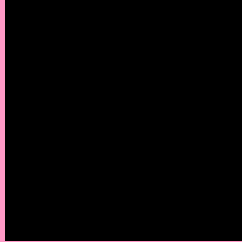
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1197, 0.3688, 0.2825

Background



This preview shows how black text looks on a background with the Yxy color 48.1197, 0.3688, 0.2825.



This preview shows how white text looks on a background with the Yxy color 48.1197, 0.3688, 0.2825.

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

48.1197, 0.3688, 0.2825

Protanopia

48.3417, 0.2836, 0.2867

Deuteranopia

48.2326, 0.3187, 0.3118



Tritanopia

48.0514, 0.3927, 0.3165

Trichromacy



Original Color

48.1197, 0.3688, 0.2825



Protanomaly

47.2800, 0.3114, 0.2840



Deuteranomaly

47.7497, 0.3356, 0.2999



Tritanomaly

47.9549, 0.3842, 0.3038

Monochromacy



Original Color

48.1197, 0.3688, 0.2825



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.0026, 0.3321, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1197, 0.3688, 0.2825 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, 153, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 198)  
}
```

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, 153, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 198) }
```

Border

The CSS property to change the border of an element to Yxy 48.1197, 0.3688, 0.2825 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, 153, 198) }
```

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

```
.border{ border-color:rgb(255, 153, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1197, 0.3688, 0.2825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 198) }
```

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

```
.background{ background-color: rgb(255,  
153, 198) }
```

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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