

Converting Colors

$Y_{xy}(46.9538, 0.3970, 0.3111)$

Have a look what the booklet for
Yxy(46.9538, 0.3970, 0.3111)
contains.

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Color

Yxy(46.9447, 0.3972, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	FF99AA
RGB	255, 153, 170
RGB Percent	100%, 60%, 67%
CMY	0.0001, 0.3999, 0.3334
CMYK	0.00, 0.40, 0.33, 0.00
HSL	350°, 100%, 80%
HSV	350°, 40%, 100%
XYZ	59.8794, 46.9447, 43.9296
YIQ	185.4360, 55.3350, 26.9110

Conversions

Conversions Part 2

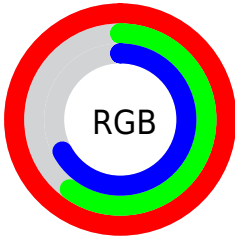
Format	Color
R _Y B	255, 153, 170
Decimal	16751018
CIE Lab	74.15, 40.03, 7.65
CIE LCh	74, 40.759, 10.824
Yxy	46.9447, 0.3972, 0.3114
Android (android.graphics.Color)	4294941098 (0xFFFF99AA)
YUV	185.4360, -7.6099, 61.0076
Hunter-Lab	68.5162, 36.0958, 9.9472

Details

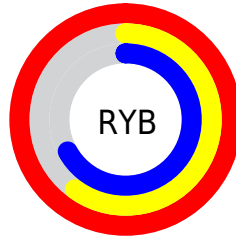
The Yxy color **46.9447, 0.3972, 0.3114** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.4525, 0.2652, 0.3481**, and the grayscale version is **48.7931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2972, 0.3360, 0.3129**, and **22.1581, 0.4216, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **38.7315, 0.4310, 0.3075**, and if you desaturate by 10%, it is **57.0757, 0.3691, 0.3159**.

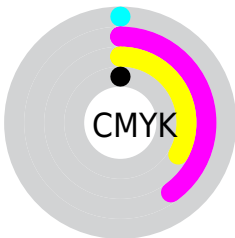
Distribution



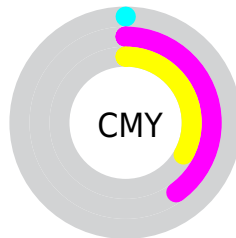
- Red (100%)
- Green (60%)
- Blue (67%)



- Red (100%)
- Yellow (60%)
- Blue (67%)



- Cyan (0%)
- Magenta (40%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9447, 0.3972, 0.3114 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 46.9447, 0.3972, 0.3114 by changing the saturation by 10% instead.


 46.9447, 0.3972,
0.3114


 46.9447, 0.3972,
0.3114

374.5938, 0.3547,
0.3210

 32.9919, 0.4078,
0.3088


 85.6311, 0.3817,
0.3150

 22.1203, 0.4214,
0.3053


 111.1335, 0.3760,
0.3164

 13.9453, 0.4395,
0.3005


141.2545, 0.3711,
0.3175

 8.0826, 0.4645,
0.2935

176.3787, 0.3669,
0.3184

 4.1479, 0.5012,
0.2824

216.8903, 0.3632,
0.3192

 1.7566, 0.5594,
0.2630

263.1737, 0.3600,

 0.4599, 0.7716,

0.3199

0.2284

315.6134, 0.3572,
0.3205

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.9447, 0.3972,
0.3114

46.9447, 0.3972,
0.3114

38.7315, 0.4310,
0.3075

57.0757, 0.3691,
0.3159

32.3083, 0.4702,
0.3048

69.2280, 0.3461,
0.3204

27.5429, 0.5130,
0.3041

83.5057, 0.3276,
0.3249

24.2813, 0.5556,
0.3062

99.9954, 0.3127,
0.3290

■ 22.3407, 0.5926,
0.3115

■ 21.4267, 0.6194,
0.3186

■ 21.4257, 0.6194,
0.3186

Harmonies

Analogous

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



46.9447, 0.3451, 0.2735



46.9447, 0.3972, 0.3114



46.9447, 0.4247, 0.3553

Triad

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



46.9447, 0.3972, 0.3114



46.9447, 0.3298, 0.4294



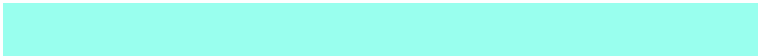
46.9447, 0.2155, 0.2519

Complementary

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



46.9447, 0.3972, 0.3114



84.4525, 0.2652, 0.3481

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.



46.9447, 0.2124, 0.2864



46.9447, 0.3972, 0.3114



46.9447, 0.2752, 0.3959

Square

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



46.9447, 0.3972, 0.3114



46.9447, 0.3825, 0.4272



46.9447, 0.2330, 0.3397



46.9447, 0.2415, 0.2396

Rectangle

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



46.9447, 0.3972, 0.3114



46.9447, 0.4241, 0.3842



46.9447, 0.2330, 0.3397



46.9447, 0.2118, 0.2609

Sweetspot

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



46.9470, 0.3972, 0.3114



80.4713, 0.3310, 0.3240



48.1824, 0.3032, 0.2258



16.8107, 0.3333, 0.3234



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.



46.9470, 0.3972, 0.3114



40.2246, 0.4239, 0.3082



59.0995, 0.3997, 0.3648



18.0364, 0.3268, 0.3251



11.2122, 0.6162, 0.3168



1.1049, 0.5882, 0.3014

Inverse Universe

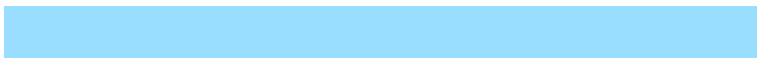
The Inverse Universe completely reimagines the original color for something new.



46.9470, 0.3972, 0.3114



40.2246, 0.4239, 0.3082



65.7012, 0.2513, 0.2894



18.0364, 0.3268, 0.3251



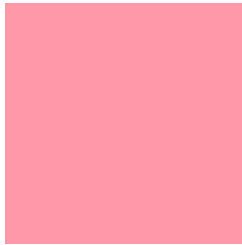
11.2122, 0.6162, 0.3168



1.1049, 0.5882, 0.3014

Previews

White Background



This preview shows how the Yxy color 46.9447, 0.3972, 0.3114 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 46.9447, 0.3972, 0.3114 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 46.9447, 0.3972, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 46.9447, 0.3972, 0.3114.



This preview shows how white text looks on a background with the Yxy color 46.9447, 0.3972, 0.3114.

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

46.9447, 0.3972, 0.3114

Protanopia

47.3154, 0.3121, 0.3239

Deuteranopia

47.0692, 0.3493, 0.3415



Tritanopia

47.0878, 0.4020, 0.3177

Trichromacy



Original Color

46.9447, 0.3972, 0.3114



Protanomaly

46.1227, 0.3406, 0.3181



Deuteranomaly

46.6426, 0.3663, 0.3303



Tritanomaly

47.1612, 0.4000, 0.3156

Monochromacy



Original Color

46.9447, 0.3972, 0.3114



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.8841, 0.3402, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9447, 0.3972, 0.3114 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 170) }
```

Border

The CSS property to change the border of an element to Yxy 46.9447, 0.3972, 0.3114 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, 170) }
```

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

```
.border{ border-color:rgb(255, 153, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9447, 0.3972, 0.3114 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, 170) }
```

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

```
.background{ background-color: rgb(255,  
153, 170) }
```

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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