

Converting Colors

$Y_{xy}(42.4921, 0.3924, 0.3049)$

Have a look what the booklet for
Yxy(42.4921, 0.3924, 0.3049)
contains.

Yxy(42.3110, 0.3917, 0.3041)	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(42.3110, 0.3917, 0.3041)

Conversions

Conversions Part 1

Format	Color
Hex	F491A8
RGB	244, 145, 168
RGB Percent	96%, 57%, 66%
CMY	0.0431, 0.4313, 0.3413
CMYK	0.00, 0.41, 0.31, 0.04
HSL	346°, 82%, 76%
HSV	346°, 41%, 96%
XYZ	54.4992, 42.3110, 42.3249
YIQ	177.2230, 51.6210, 28.1410

Conversions

Conversions Part 2

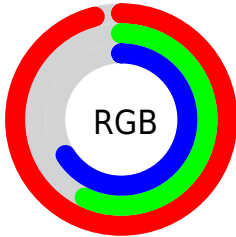
Format	Color
R_{YB}	244, 145, 168
Decimal	16028072
CIE _{Lab}	71.08, 40.02, 4.18
CIE _{LCh}	71, 40.241, 5.967
Yxy	42.3110, 0.3917, 0.3041
Android (android.graphics.Color)	4294218152 (0xFFFF491A8)
YUV	177.2230, -4.5469, 58.5634
Hunter-Lab	65.0469, 35.7233, 6.9538

Details

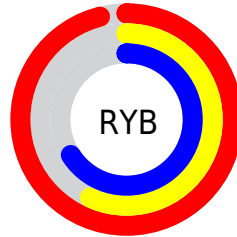
The Yxy color **42.3110, 0.3917, 0.3041** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **75.9450, 0.2679, 0.3564**, and the grayscale version is **44.0944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8963, 0.3387, 0.3058**, and **19.2295, 0.4150, 0.2957** is the 20% darker color. If you saturate the color by 10%, you get **34.9906, 0.4227, 0.2985**, and if you desaturate by 10%, it is **51.3374, 0.3658, 0.3103**.

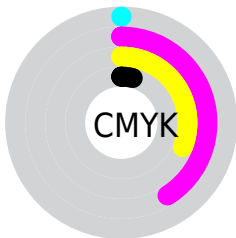
Distribution



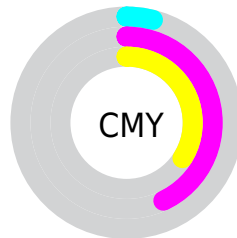
- Red (96%)
- Green (57%)
- Blue (66%)



- Red (96%)
- Yellow (57%)
- Blue (66%)



- Cyan (0%)
- Magenta (41%)
- Yellow (31%)
- Black (4%)





- Cyan (4%)
- Magenta (43%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3110, 0.3917, 0.3041 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 42.3110, 0.3917, 0.3041 by changing the saturation by 10% instead.


 42.3110, 0.3917,
0.3041


 42.3110, 0.3917,
0.3041


355.7705, 0.3514,
0.3172

 29.3449, 0.4020,
0.3006


 78.6701, 0.3769,
0.3090

 19.3419, 0.4152,
0.2961


 102.8319, 0.3714,
0.3108

 11.9176, 0.4330,
0.2899


131.4943, 0.3668,
0.3123

 6.6876, 0.4581,
0.2809

165.0418, 0.3628,
0.3136

 3.2675, 0.4959,
0.2669

203.8588, 0.3594,
0.3147

 1.2729, 0.5582,
0.2425

248.3297, 0.3564,

 0.1201, 0.9029,

0.3156

0.0971

298.8388, 0.3538,
0.3165

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.3110, 0.3917,
0.3041

42.3110, 0.3917,
0.3041

34.9906, 0.4227,
0.2985

51.3374, 0.3658,
0.3103

29.2621, 0.4586,
0.2945

62.1619, 0.3446,
0.3167

25.0076, 0.4981,
0.2929

74.8773, 0.3274,
0.3229

22.0896, 0.5383,
0.2949

89.5683, 0.3134,
0.3287

■ 20.3444, 0.5748,
0.3009

■ 97.9732, 0.3060,
0.3290

■ 19.5246, 0.6024,
0.3092

Harmonies

Analogous

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



42.3110, 0.3360, 0.2671



42.3110, 0.3917, 0.3041



42.3110, 0.4249, 0.3483

Triad

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



42.3110, 0.3917, 0.3041



42.3110, 0.3393, 0.4339



42.3110, 0.2115, 0.2544

Complementary

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



42.3110, 0.3917, 0.3041



75.9450, 0.2679, 0.3564

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.



42.3110, 0.2122, 0.2931



42.3110, 0.3917, 0.3041



42.3110, 0.2828, 0.4053

Square

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



42.3110, 0.3917, 0.3041



42.3110, 0.3913, 0.4258



42.3110, 0.2370, 0.3496



42.3110, 0.2342, 0.2384

Rectangle

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



42.3110, 0.3917, 0.3041



42.3110, 0.4281, 0.3781



42.3110, 0.2370, 0.3496



42.3110, 0.2090, 0.2648

Sweetspot

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



42.3131, 0.3917, 0.3041



80.5842, 0.3296, 0.3220



42.1424, 0.2974, 0.2228



16.8371, 0.3318, 0.3212



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.



42.3131, 0.3917, 0.3041



39.7428, 0.4179, 0.2993



50.5578, 0.4042, 0.3582



16.5455, 0.3257, 0.3235



10.6336, 0.5986, 0.3071



0.9498, 0.5642, 0.2882

Inverse Universe

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



42.3131, 0.3917, 0.3041



39.7428, 0.4179, 0.2993



62.4895, 0.2519, 0.2971



16.5455, 0.3257, 0.3235



10.6336, 0.5986, 0.3071



0.9498, 0.5642, 0.2882

Previews

White Background



This preview shows how the Yxy color 42.3110, 0.3917, 0.3041 looks on a white background.

Color Contrast Check

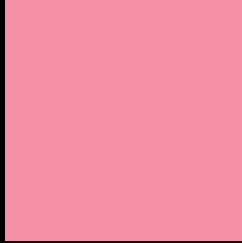
Large Text (above 18pt) WCAG AA × Fail

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 42.3110, 0.3917, 0.3041 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 42.3110, 0.3917, 0.3041

Background



This preview shows how black text looks on a background with the Yxy color 42.3110, 0.3917, 0.3041.



This preview shows how white text looks on a background with the Yxy color 42.3110, 0.3917, 0.3041.

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

42.3110, 0.3917, 0.3041

Protanopia

42.4618, 0.3055, 0.3143

Deuteranopia

42.2877, 0.3416, 0.3343



Tritanopia

42.3907, 0.4008, 0.3171

Trichromacy



Original Color

42.3110, 0.3917, 0.3041



Protanomaly

41.6881, 0.3344, 0.3101



Deuteranomaly

42.0044, 0.3599, 0.3230



Tritanomaly

42.2211, 0.3968, 0.3116

Monochromacy



Original Color

42.3110, 0.3917, 0.3041



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

42.3838, 0.3387, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3110, 0.3917, 0.3041 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(244, 145, 168)` looks like.

```
.text, #text, p{  
    color:rgb(244, 145, 168)  
}
```

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(244, 145, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 145, 168) }
```

Border

The CSS property to change the border of an element to Yxy 42.3110, 0.3917, 0.3041 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(244, 145, 168) }
```

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

```
.border{ border-color:rgb(244, 145, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 145, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 145, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 145, 168);  
box-shadow:4px 4px 4px 4px rgb(244, 145,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3110, 0.3917, 0.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 145, 168) }
```

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

```
.background{ background-color: rgb(244,  
145, 168) }
```

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