

Converting Colors

$Y_{xy}(40.9022, 0.4133, 0.3005)$

Have a look what the booklet for
Yxy(40.9022, 0.4133, 0.3005)
contains.

Yxy(40.9188, 0.4129, 0.3002)	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(40.9188, 0.4129, 0.3002)

Conversions

Conversions Part 1

Format	Color
Hex	FF86A2
RGB	255, 134, 162
RGB Percent	100%, 53%, 64%
CMY	0.0001, 0.4744, 0.3648
CMYK	0.00, 0.47, 0.36, 0.00
HSL	346°, 100%, 76%
HSV	346°, 47%, 100%
XYZ	56.2804, 40.9188, 39.1059
YIQ	173.3710, 63.1280, 34.3600

Conversions

Conversions Part 2

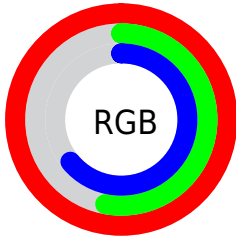
Format	Color
R _Y B	255, 134, 162
Decimal	16746146
CIE Lab	70.12, 48.66, 6.32
CIE LCh	70, 49.071, 7.396
Yxy	40.9188, 0.4129, 0.3002
Android (android.graphics.Color)	4294936226 (0xFFFF86A2)
YUV	173.3710, -5.6059, 71.5886
Hunter-Lab	63.9678, 45.1049, 8.5312

Details

The Yxy color **40.9188, 0.4129, 0.3002** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.1256, 0.2619, 0.3618**, and the grayscale version is **41.9956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0967, 0.3449, 0.3015**, and **18.4871, 0.4423, 0.2895** is the 20% darker color. If you saturate the color by 10%, you get **34.0569, 0.4475, 0.2956**, and if you desaturate by 10%, it is **49.5925, 0.3834, 0.3060**.

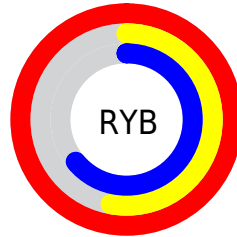
Distribution



Red (100%)

Green (53%)

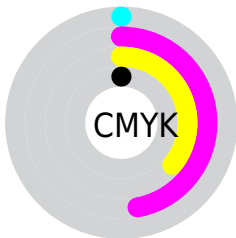
Blue (64%)



Red (100%)

Yellow (53%)

Blue (64%)

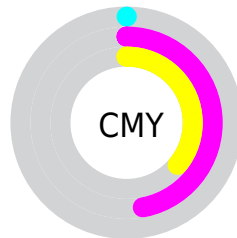


Cyan (0%)

Magenta (47%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9188, 0.4129, 0.3002 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 40.9188, 0.4129, 0.3002 by changing the saturation by 10% instead.


 40.9188, 0.4129,
0.3002


 40.9188, 0.4129,
0.3002

349.9811, 0.3616,
0.3157


 28.2556, 0.4260,
0.2960


 76.5606, 0.3940,
0.3061

 18.5185, 0.4430,
0.2905


 100.3081, 0.3870,
0.3082

 11.3228, 0.4658,
0.2828


 128.5191, 0.3811,
0.3100

 6.2844, 0.4978,
0.2715

161.5780, 0.3760,
0.3115

 3.0188, 0.5456,
0.2539

199.8693, 0.3716,
0.3128

 1.1416, 0.6241,
0.2235

243.7773, 0.3679,

 0.0132, 0.9896,

0.3139

0.0104

293.6865, 0.3645,
0.3149

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

40.9188, 0.4129,
0.3002

40.9188, 0.4129,
0.3002

34.0569, 0.4475,
0.2956

49.5925, 0.3834,
0.3060

28.8714, 0.4863,
0.2932

60.1882, 0.3589,
0.3124

25.2179, 0.5268,
0.2941

72.8148, 0.3389,
0.3187

22.9245, 0.5650,
0.2989

87.5710, 0.3227,
0.3247

■ 21.7680, 0.5963,
0.3074

99.9965, 0.3127,
0.3290

■ 21.5717, 0.6031,
0.3096

Harmonies

Analogous

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



40.9188, 0.3442, 0.2563



40.9188, 0.4129, 0.3002



40.9188, 0.4518, 0.3523

Triad

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



40.9188, 0.4129, 0.3002



40.9188, 0.3398, 0.4595



40.9188, 0.1920, 0.2362

Complementary

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



40.9188, 0.4129, 0.3002



82.1256, 0.2619, 0.3618

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.



40.9188, 0.1911, 0.2804



40.9188, 0.4129, 0.3002



40.9188, 0.2717, 0.4224

Square

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



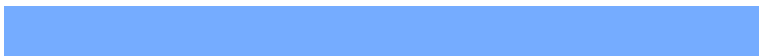
40.9188, 0.4129, 0.3002



40.9188, 0.4042, 0.4477



40.9188, 0.2182, 0.3500



40.9188, 0.2198, 0.2199

Rectangle

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



40.9188, 0.4129, 0.3002



40.9188, 0.4533, 0.3880



40.9188, 0.2182, 0.3500



40.9188, 0.1887, 0.2477

Sweetspot

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



40.9209, 0.4129, 0.3002



77.6563, 0.3329, 0.3208



40.5667, 0.2937, 0.2048



15.9666, 0.3366, 0.3195



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.



40.9209, 0.4129, 0.3002



34.3272, 0.4459, 0.2958



50.3520, 0.4269, 0.3629



18.0559, 0.3258, 0.3235



11.2922, 0.5993, 0.3075



1.1154, 0.5683, 0.2904

Inverse Universe

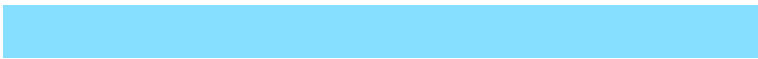
The Inverse Universe completely reimagines the original color for something new.



40.9209, 0.4129, 0.3002



34.3272, 0.4459, 0.2958



64.9179, 0.2426, 0.2906



18.0559, 0.3258, 0.3235



11.2922, 0.5993, 0.3075



1.1154, 0.5683, 0.2904

Previews

White Background



This preview shows how the Yxy color 40.9188, 0.4129, 0.3002 looks on a white background.

Color Contrast Check

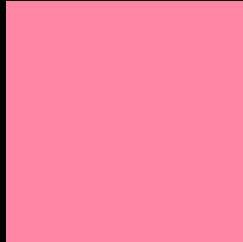
Large Text (above 18pt) WCAG AA × Fail

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 40.9188, 0.4129, 0.3002 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 40.9188, 0.4129, 0.3002

Background



This preview shows how black text looks on a background with the Yxy color 40.9188, 0.4129, 0.3002.

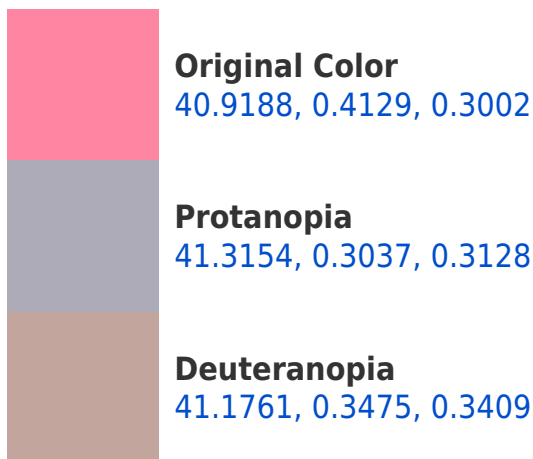


This preview shows how white text looks on a background with the Yxy color 40.9188, 0.4129, 0.3002.

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

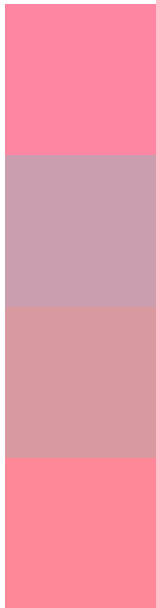




Tritanopia

41.0687, 0.4277, 0.3189

Trichromacy



Original Color

40.9188, 0.4129, 0.3002

Protanomaly

40.1054, 0.3399, 0.3076

Deuteranomaly

40.2133, 0.3706, 0.3231

Tritanomaly

40.9461, 0.4225, 0.3126

Monochromacy



Original Color

40.9188, 0.4129, 0.3002

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.3574, 0.3465, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9188, 0.4129, 0.3002 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, 134, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 162)  
}
```

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, 134, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 162) }
```

Border

The CSS property to change the border of an element to Yxy 40.9188, 0.4129, 0.3002 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, 134, 162) }
```

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

```
.border{ border-color:rgb(255, 134, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 134, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9188, 0.4129, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 162) }
```

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

```
.background{ background-color: rgb(255,  
134, 162) }
```

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