

Converting Colors

$Yxy(40.2416, 0.4177, 0.3027)$

Have a look what the booklet for
Yxy(40.2416, 0.4177, 0.3027)
contains.

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Color

Yxy(40.2312, 0.4183, 0.3023)

Conversions

Conversions Part 1

Format	Color
Hex	FF849E
RGB	255, 132, 158
RGB Percent	100%, 52%, 62%
CMY	0.0000, 0.4824, 0.3803
CMYK	0.00, 0.48, 0.38, 0.00
HSL	347°, 100%, 76%
HSV	347°, 48%, 100%
XYZ	55.6689, 40.2312, 37.1836
YIQ	171.7410, 64.9620, 34.1620

Conversions

Conversions Part 2

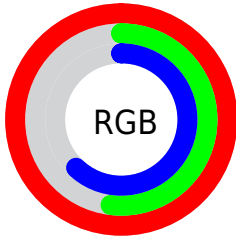
Format	Color
RYB	255, 132, 158
Decimal	16745630
CIELab	69.63, 49.23, 7.85
CIElCh	70, 49.849, 9.059
Yxy	40.2312, 0.4183, 0.3023
Android (<code>android.graphics.Color</code>)	4294935710 (<code>0xFFFF849E</code>)
YUV	171.7410, -6.7743, 73.0181
Hunter-Lab	63.4281, 45.6650, 9.6419

Details

The Yxy color **40.2312, 0.4183, 0.3023** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.0811, 0.2602, 0.3595**, and the grayscale version is **41.1250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9799, 0.3493, 0.3044**, and **18.1124, 0.4502, 0.2925** is the 20% darker color. If you saturate the color by 10%, you get **33.5021, 0.4543, 0.2983**, and if you desaturate by 10%, it is **48.7600, 0.3875, 0.3076**.

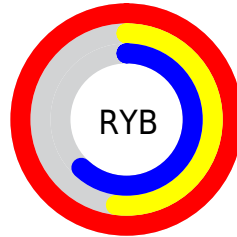
Distribution



Red (100%)

Green (52%)

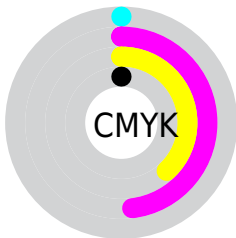
Blue (62%)



Red (100%)

Yellow (52%)

Blue (62%)

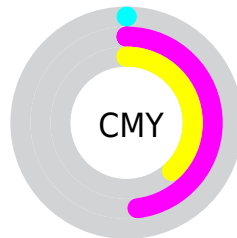


Cyan (0%)

Magenta (48%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2312, 0.4183, 0.3023 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 40.2312, 0.4183, 0.3023 by changing the saturation by 10% instead.


 40.2312, 0.4183,
0.3023


 40.2312, 0.4183,
0.3023


347.0971, 0.3640,
0.3170

 27.7189, 0.4322,
0.2982


 75.5154, 0.3983,
0.3079

 18.1138, 0.4503,
0.2928


 99.0561, 0.3908,
0.3100

 11.0317, 0.4745,
0.2851


 127.0417, 0.3846,
0.3117

 6.0882, 0.5087,
0.2738

159.8566, 0.3792,
0.3131

 2.8988, 0.5596,
0.2557

197.8852, 0.3746,
0.3143

 1.0791, 0.6468,
0.2253

241.5119, 0.3706,

 0.0000, 1.0000,

0.3153


0.0000

291.1210, 0.3671,
0.3162


 0.0000, 0.0000,
0.0000


 40.2312, 0.4183,
0.3023


 40.2312, 0.4183,
0.3023


 33.5021, 0.4543,
0.2983


 48.7600, 0.3875,
0.3076


 28.4470, 0.4944,
0.2965

 59.2115, 0.3619,
0.3133

 24.9154, 0.5357,
0.2978


 71.6916, 0.3410,
0.3191

 22.7323, 0.5738,
0.3029

 86.3001, 0.3241,
0.3247

 21.6577, 0.6041,
0.3112

100.0000, 0.3127,
0.3290

 21.5258, 0.6086,
0.3126

Harmonies

Analogous

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



40.2312, 0.3490, 0.2571



40.2312, 0.4183, 0.3023



40.2312, 0.4557, 0.3555

Triad

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



40.2312, 0.4183, 0.3023



40.2312, 0.3362, 0.4618



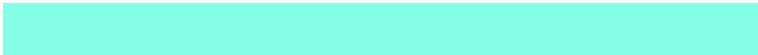
40.2312, 0.1907, 0.2327

Complementary

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



40.2312, 0.4183, 0.3023



82.0811, 0.2602, 0.3595

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.



40.2312, 0.1881, 0.2760



40.2312, 0.4183, 0.3023



40.2312, 0.2671, 0.4211

Square

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



40.2312, 0.4183, 0.3023



40.2312, 0.4026, 0.4518



40.2312, 0.2140, 0.3460



40.2312, 0.2204, 0.2177

Rectangle

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



40.2312, 0.4183, 0.3023



40.2312, 0.4554, 0.3917



40.2312, 0.2140, 0.3460



40.2312, 0.1868, 0.2438

Sweetspot

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



40.2295, 0.4183, 0.3023



77.6176, 0.3334, 0.3215



40.2715, 0.2950, 0.2034



15.9573, 0.3372, 0.3203



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.



40.2295, 0.4183, 0.3023



33.6424, 0.4534, 0.2984



50.5063, 0.4285, 0.3656



18.0499, 0.3261, 0.3240



11.2651, 0.6049, 0.3106



1.1119, 0.5746, 0.2939

Inverse Universe

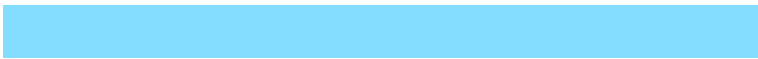
The Inverse Universe completely reimagines the original color for something new.



40.2295, 0.4183, 0.3023



33.6424, 0.4534, 0.2984



63.3890, 0.2411, 0.2873



18.0499, 0.3261, 0.3240



11.2651, 0.6049, 0.3106



1.1119, 0.5746, 0.2939

Previews

White Background



This preview shows how the Yxy color 40.2312, 0.4183, 0.3023 looks on a white background.

Color Contrast Check

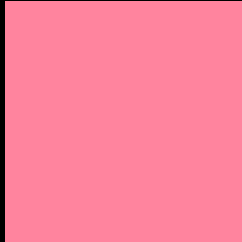
Large Text (above 18pt) WCAG AA × Fail

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 40.2312, 0.4183, 0.3023 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 40.2312, 0.4183, 0.3023

Background



This preview shows how black text looks on a background with the Yxy color 40.2312, 0.4183, 0.3023.



This preview shows how white text looks on a background with the Yxy color 40.2312, 0.4183, 0.3023.

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

40.2312, 0.4183, 0.3023

Protanopia

40.6621, 0.3061, 0.3167

Deuteranopia

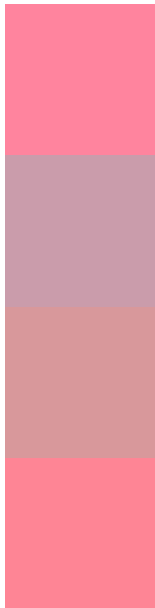
40.3202, 0.3517, 0.3436



Tritanopia

40.1346, 0.4326, 0.3190

Trichromacy



Original Color

40.2312, 0.4183, 0.3023

Protanomaly

39.2738, 0.3441, 0.3100

Deuteranomaly

39.4220, 0.3754, 0.3255

Tritanomaly

40.0158, 0.4273, 0.3127

Monochromacy



Original Color

40.2312, 0.4183, 0.3023

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

39.4605, 0.3478, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2312, 0.4183, 0.3023 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, 132, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 158)  
}
```

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, 132, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 158) }
```

Border

The CSS property to change the border of an element to Yxy 40.2312, 0.4183, 0.3023 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, 132, 158) }
```

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

```
.border{ border-color:rgb(255, 132, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2312, 0.4183, 0.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 158) }
```

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

```
.background{ background-color: rgb(255,  
132, 158) }
```

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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