

Converting Colors

$Y_{xy}(40.4798, 0.4163, 0.3047)$

Have a look what the booklet for
Yxy(40.4798, 0.4163, 0.3047)
contains.

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Color

Yxy(40.4015, 0.4156, 0.3041)

Conversions

Conversions Part 1

Format	Color
Hex	FD869E
RGB	253, 134, 158
RGB Percent	99%, 53%, 62%
CMY	0.0077, 0.4746, 0.3804
CMYK	0.00, 0.47, 0.38, 0.01
HSL	348°, 97%, 76%
HSV	348°, 47%, 99%
XYZ	55.2149, 40.4015, 37.2395
YIQ	172.3170, 63.2200, 32.6920

Conversions

Conversions Part 2

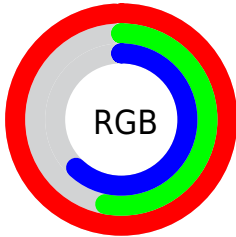
Format	Color
R _Y B	253, 134, 158
Decimal	16615070
CIE Lab	69.75, 47.57, 7.99
CIE LCh	70, 48.233, 9.532
Yxy	40.4015, 0.4156, 0.3041
Android (android.graphics.Color)	4294805150 (0xFFFD869E)
YUV	172.3170, -7.0583, 70.7590
Hunter-Lab	63.5622, 43.8249, 9.7570

Details

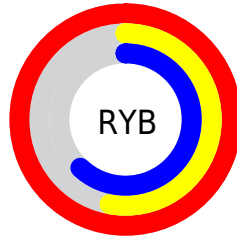
The Yxy color **40.4015, 0.4156, 0.3041** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **80.9977, 0.2607, 0.3572**, and the grayscale version is **41.4361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4087, 0.3491, 0.3055**, and **18.1363, 0.4466, 0.2944** is the 20% darker color. If you saturate the color by 10%, you get **33.5877, 0.4515, 0.3001**, and if you desaturate by 10%, it is **49.0066, 0.3850, 0.3092**.

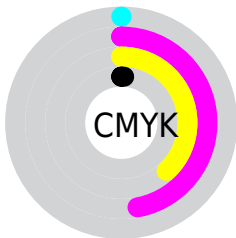
Distribution



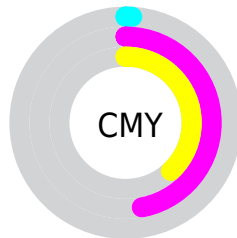
- Red (99%)
- Green (53%)
- Blue (62%)



- Red (99%)
- Yellow (53%)
- Blue (62%)



- Cyan (0%)
- Magenta (47%)
- Yellow (38%)
- Black (1%)





- Cyan (1%)
- Magenta (47%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4015, 0.4156, 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 40.4015, 0.4156, 0.3041 by changing the saturation by 10% instead.


 40.4015, 0.4156,
0.3041


 40.4015, 0.4156,
0.3041


347.8129, 0.3627,
0.3179

 27.8517, 0.4292,
0.3003


 75.7745, 0.3961,
0.3094

 18.2139, 0.4468,
0.2951


 99.3665, 0.3888,
0.3113

 11.1037, 0.4704,
0.2879


 127.4081, 0.3827,
0.3129

 6.1366, 0.5037,
0.2772

160.2836, 0.3775,
0.3142

 2.9283, 0.5535,
0.2599

198.3775, 0.3731,
0.3153

 1.0944, 0.6392,
0.2307

242.0740, 0.3692,

 0.0000, 1.0000,

0.3163

0.0000

291.7577, 0.3657,
0.3171

■ 0.0000, 0.0000,
0.0000

■ 40.4015, 0.4156,
0.3041

■ 40.4015, 0.4156,
0.3041

■ 33.5877, 0.4515,
0.3001

■ 49.0066, 0.3850,
0.3092

■ 28.4323, 0.4917,
0.2982

■ 59.5115, 0.3597,
0.3147

■ 24.7936, 0.5335,
0.2992


■ 72.0231, 0.3391,
0.3202

■ 22.5032, 0.5724,
0.3038

■ 86.6385, 0.3225,
0.3255

■ 21.3471, 0.6035,
0.3116

■ 99.6294, 0.3115,
0.3290

 21.1290, 0.6110,
0.3140

Harmonies

Analogous

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



40.4015, 0.3490, 0.2598



40.4015, 0.4156, 0.3041



40.4015, 0.4512, 0.3560

Triad

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



40.4015, 0.4156, 0.3041



40.4015, 0.3347, 0.4568



40.4015, 0.1944, 0.2353

Complementary

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



40.4015, 0.4156, 0.3041



80.9977, 0.2607, 0.3572

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.



40.4015, 0.1916, 0.2771



40.4015, 0.4156, 0.3041



40.4015, 0.2678, 0.4167

Square

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



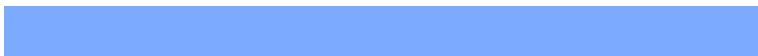
40.4015, 0.4156, 0.3041



40.4015, 0.3992, 0.4484



40.4015, 0.2165, 0.3444



40.4015, 0.2238, 0.2209

Rectangle

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



40.4015, 0.4156, 0.3041



40.4015, 0.4506, 0.3912



40.4015, 0.2165, 0.3444



40.4015, 0.1905, 0.2461

Sweetspot

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



40.4035, 0.4156, 0.3041



77.5985, 0.3337, 0.3219



40.5095, 0.2956, 0.2064



15.9527, 0.3375, 0.3207



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.



40.4035, 0.4156, 0.3041



34.8162, 0.4476, 0.3005



50.5099, 0.4244, 0.3647



18.0470, 0.3262, 0.3242



11.2526, 0.6075, 0.3120



1.1103, 0.5777, 0.2956

Inverse Universe

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



40.4035, 0.4156, 0.3041



34.8162, 0.4476, 0.3005



62.9828, 0.2427, 0.2885



18.0470, 0.3262, 0.3242



11.2526, 0.6075, 0.3120



1.1103, 0.5777, 0.2956

Previews

White Background



This preview shows how the Yxy color 40.4015, 0.4156, 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 40.4015, 0.4156, 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 40.4015, 0.4156, 0.3041

Background



This preview shows how black text looks on a background with the Yxy color 40.4015, 0.4156, 0.3041.

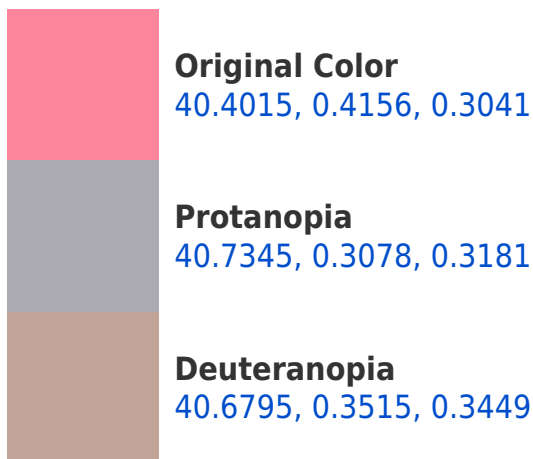


This preview shows how white text looks on a background with the Yxy color 40.4015, 0.4156, 0.3041.

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





Tritanopia

40.3791, 0.4275, 0.3188

Trichromacy



Original Color

40.4015, 0.4156, 0.3041



Protanomaly

39.4717, 0.3430, 0.3112



Deuteranomaly

39.9248, 0.3737, 0.3280



Tritanomaly

40.2254, 0.4234, 0.3135

Monochromacy



Original Color

40.4015, 0.4156, 0.3041



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.6612, 0.3466, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4015, 0.4156, 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(253, 134, 158)` looks like.

```
.text, #text, p{  
    color:rgb(253, 134, 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(253, 134, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 134, 158) }
```

Border

The CSS property to change the border of an element to Yxy 40.4015, 0.4156, 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(253, 134, 158) }
```

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

```
.border{ border-color:rgb(253, 134, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 134, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 134, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 134, 158); box-shadow:4px 4px 4px 4px rgb(253, 134, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4015, 0.4156, 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(253, 134, 158) }
```

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

```
.background{ background-color: rgb(253,  
134, 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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