

Converting Colors

$Y_{xy}(40.2273, 0.4381, 0.3319)$

Have a look what the booklet for
Yxy(40.2273, 0.4381, 0.3319)
contains.

Yxy(40.1498, 0.4384, 0.3315)	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(40.1498, 0.4384, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	FB8987
RGB	251, 137, 135
RGB Percent	98%, 54%, 53%
CMY	0.0158, 0.4627, 0.4706
CMYK	0.00, 0.45, 0.46, 0.02
HSL	1°, 94%, 76%
HSV	1°, 46%, 98%
XYZ	53.0971, 40.1498, 27.8687
YIQ	170.8580, 68.5860, 23.5460

Conversions

Conversions Part 2

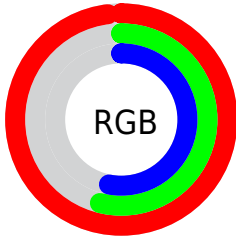
Format	Color
R _Y B	251, 137, 135
Decimal	16484743
CIE Lab	69.58, 42.93, 20.56
CIE LCh	70, 47.602, 25.591
Yxy	40.1498, 0.4384, 0.3315
Android (android.graphics.Color)	4294674823 (0xFFFB8987)
YUV	170.8580, -17.6780, 70.2845
Hunter-Lab	63.3639, 38.6910, 18.2778

Details

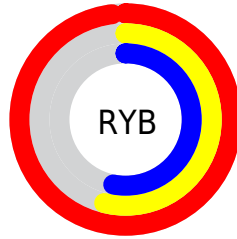
The Yxy color **40.1498, 0.4384, 0.3315** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **79.8353, 0.2505, 0.3265**, and the grayscale version is **40.7162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5901, 0.3684, 0.3333**, and **18.0729, 0.4775, 0.3282** is the 20% darker color. If you saturate the color by 10%, you get **33.2975, 0.4827, 0.3319**, and if you desaturate by 10%, it is **48.7747, 0.4003, 0.3310**.

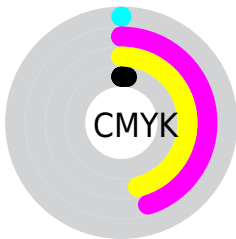
Distribution



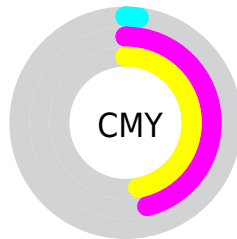
- Red (98%)
- Green (54%)
- Blue (53%)



- Red (98%)
- Yellow (54%)
- Blue (53%)



- Cyan (0%)
- Magenta (45%)
- Yellow (46%)
- Black (2%)




- Cyan (2%)
- Magenta (46%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1498, 0.4384, 0.3315 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 40.1498, 0.4384, 0.3315 by changing the saturation by 10% instead.


 40.1498, 0.4384,
0.3315


 40.1498, 0.4384,
0.3315

346.7546, 0.3735,
0.3330

 27.6554, 0.4550,
0.3302


 75.3916, 0.4144,
0.3327

 18.0660, 0.4765,
0.3280


 98.9077, 0.4055,
0.3330

 10.9974, 0.5050,
0.3240


 126.8665, 0.3981,
0.3331

 6.0651, 0.5446,
0.3167

159.6524, 0.3917,
0.3331

 2.8847, 0.6016,
0.3019

197.6497, 0.3862,
0.3331

 1.0718, 0.7183,
0.2817

241.2429, 0.3814,

 0.0000, 1.0000,

0.3331


0.0000

290.8164, 0.3772,
0.3330


 0.0000, 0.0000,
0.0000


 40.1498, 0.4384,
0.3315

 40.1498, 0.4384,
0.3315


 33.2975, 0.4827,
0.3319


 48.7747, 0.4003,
0.3310


 28.0891, 0.5306,
0.3321

 59.2768, 0.3689,
0.3304


 24.3887, 0.5767,
0.3320

 71.7601, 0.3435,
0.3298

 22.0358, 0.6134,
0.3315

 86.3189, 0.3232,
0.3293

 20.8334, 0.6346,
0.3307

 99.2458, 0.3102,
0.3290

 20.6012, 0.6392,
0.3307

Harmonies

Analogous

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



40.1498, 0.3862, 0.2826



40.1498, 0.4384, 0.3315



40.1498, 0.4508, 0.3840

Triad

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



40.1498, 0.4384, 0.3315



40.1498, 0.2983, 0.4399



40.1498, 0.2079, 0.2254

Complementary

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



40.1498, 0.4384, 0.3315



79.8353, 0.2505, 0.3265

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.



40.1498, 0.1909, 0.2520



40.1498, 0.4384, 0.3315



40.1498, 0.2383, 0.3790

Square

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



40.1498, 0.4384, 0.3315



40.1498, 0.3657, 0.4570



40.1498, 0.2008, 0.3062



40.1498, 0.2507, 0.2242

Rectangle

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



40.1498, 0.4384, 0.3315



40.1498, 0.4356, 0.4169



40.1498, 0.2008, 0.3062



40.1498, 0.1993, 0.2313

Sweetspot

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



40.1519, 0.4384, 0.3315



77.5373, 0.3386, 0.3297



44.6735, 0.3197, 0.2179



15.9377, 0.3434, 0.3298



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.



40.1519, 0.4384, 0.3315



35.2624, 0.4772, 0.3319



61.2488, 0.4073, 0.3919



17.2738, 0.3294, 0.3295



10.8522, 0.6388, 0.3310



1.0217, 0.6358, 0.3334

Inverse Universe

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



79.8353, 0.2505, 0.3265



80.8116, 0.2423, 0.3260



49.3985, 0.2376, 0.2549



19.5533, 0.2980, 0.3285



38.5254, 0.2232, 0.3234



3.5843, 0.2234, 0.3241

Previews

White Background



This preview shows how the Yxy color 40.1498, 0.4384, 0.3315 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 40.1498, 0.4384, 0.3315 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 40.1498, 0.4384, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 40.1498, 0.4384, 0.3315.



This preview shows how white text looks on a background with the Yxy color 40.1498, 0.4384, 0.3315.

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

40.1498, 0.4384, 0.3315

Protanopia

40.4488, 0.3366, 0.3553

Deuteranopia

40.0855, 0.3801, 0.3721



Tritanopia

40.0677, 0.4291, 0.3188

Trichromacy



Original Color

40.1498, 0.4384, 0.3315



Protanomaly

39.4772, 0.3724, 0.3458



Deuteranomaly

39.8372, 0.4015, 0.3559



Tritanomaly

40.2269, 0.4331, 0.3241

Monochromacy



Original Color

40.1498, 0.4384, 0.3315



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

39.5443, 0.3542, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1498, 0.4384, 0.3315 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(251, 137, 135)` looks like.

```
.text, #text, p{  
    color:rgb(251, 137, 135)  
}
```

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(251, 137, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 137, 135) }
```

Border

The CSS property to change the border of an element to Yxy 40.1498, 0.4384, 0.3315 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(251, 137, 135) }
```

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

```
.border{ border-color:rgb(251, 137, 135) }
```

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

Here you see how a box with a 4 pixel rgb(251, 137, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 137, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 137, 135);  
box-shadow:4px 4px 4px 4px rgb(251, 137,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1498, 0.4384, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 137, 135) }
```

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

```
.background{ background-color: rgb(251,  
137, 135) }
```

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