

Converting Colors

$Y_{xy}(46.7039, 0.4626, 0.3191)$

Have a look what the booklet for
Yxy(46.7039, 0.4626, 0.3191)
contains.

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Color

Yxy(40.0487, 0.4340, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	FF8590
RGB	255, 133, 144
RGB Percent	100%, 52%, 56%
CMY	0.0001, 0.4784, 0.4353
CMYK	0.00, 0.48, 0.44, 0.00
HSL	355°, 100%, 76%
HSV	355°, 48%, 100%
XYZ	54.6577, 40.0487, 31.2329
YIQ	170.7320, 69.1810, 29.2850

Conversions

Conversions Part 2

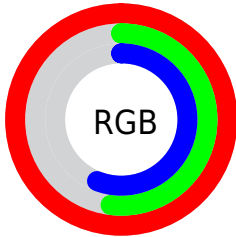
Format	Color
R_{YB}	255, 133, 144
Decimal	16745872
CIE Lab	69.50, 47.24, 15.52
CIE LCh	70, 49.722, 18.188
Yxy	40.0487, 0.4340, 0.3180
Android (android.graphics.Color)	4294935952 (0xFFFF8590)
YUV	170.7320, -13.1789, 73.9030
Hunter-Lab	63.2840, 43.4212, 15.0371

Details

The Yxy color **40.0487, 0.4340, 0.3180** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.0315, 0.2540, 0.3415**, and the grayscale version is **40.6268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3037, 0.3609, 0.3188**, and **18.1476, 0.4708, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **33.2567, 0.4758, 0.3166**, and if you desaturate by 10%, it is **48.6850, 0.3981, 0.3201**.

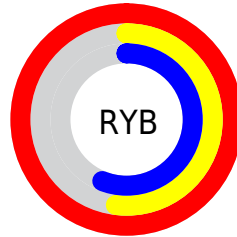
Distribution



Red (100%)

Green (52%)

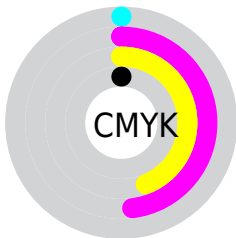
Blue (56%)



Red (100%)

Yellow (52%)

Blue (56%)

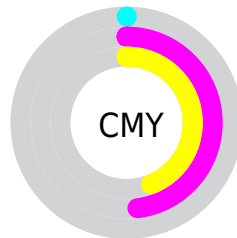


Cyan (0%)

Magenta (48%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0487, 0.4340, 0.3180 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 40.0487, 0.4340, 0.3180 by changing the saturation by 10% instead.

 40.0487, 0.4340,
0.3180


 40.0487, 0.4340,
0.3180


346.3288, 0.3713,
0.3258

 27.5765, 0.4501,
0.3153


 75.2377, 0.4109,
0.3214

 18.0067, 0.4709,
0.3115


 98.7232, 0.4023,
0.3225

 10.9548, 0.4987,
0.3056


 126.6487, 0.3951,
0.3233

 6.0364, 0.5376,
0.2960

159.3985, 0.3889,
0.3240

 2.8672, 0.5945,
0.2791

197.3571, 0.3836,
0.3246

 1.0628, 0.7244,
0.2608

240.9087, 0.3790,


 0.0000, 1.0000,


0.3251

0.0000

290.4378, 0.3749,
0.3254


 0.0000, 0.0000,
0.0000


 40.0487, 0.4340,
0.3180


 40.0487, 0.4340,
0.3180


 33.2567, 0.4758,
0.3166

 48.6850, 0.3981,
0.3201

 28.1692, 0.5215,
0.3163


 59.2799, 0.3684,
0.3225

 24.6362, 0.5664,
0.3177


 71.9456, 0.3444,
0.3249

 22.4792, 0.6041,
0.3208

 86.7843, 0.3251,
0.3273

 21.4611, 0.6287,
0.3251

99.9974, 0.3127,
0.3290

 21.3191, 0.6324,
0.3257

Harmonies

Analogous

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



40.0487, 0.3718, 0.2696



40.0487, 0.4340, 0.3180



40.0487, 0.4579, 0.3721

Triad

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



40.0487, 0.4340, 0.3180



40.0487, 0.3146, 0.4548



40.0487, 0.1970, 0.2254

Complementary

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



40.0487, 0.4340, 0.3180



83.0315, 0.2540, 0.3415

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.



40.0487, 0.1861, 0.2597



40.0487, 0.4340, 0.3180



40.0487, 0.2486, 0.4000

Square

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



40.0487, 0.4340, 0.3180



40.0487, 0.3837, 0.4593



40.0487, 0.2032, 0.3226



40.0487, 0.2347, 0.2182

Rectangle

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



40.0487, 0.4340, 0.3180



40.0487, 0.4486, 0.4076



40.0487, 0.2032, 0.3226



40.0487, 0.1903, 0.2336

Sweetspot

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



40.0508, 0.4340, 0.3180



77.3812, 0.3365, 0.3258



43.0162, 0.3076, 0.2089



15.9005, 0.3408, 0.3253



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.



40.0508, 0.4340, 0.3180



33.7599, 0.4722, 0.3167



56.3275, 0.4192, 0.3799



18.0136, 0.3280, 0.3269



11.1500, 0.6303, 0.3246



1.0942, 0.6106, 0.3137

Inverse Universe

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



40.0508, 0.4340, 0.3180



33.7599, 0.4722, 0.3167



56.4455, 0.2383, 0.2699



18.0136, 0.3280, 0.3269



11.1500, 0.6303, 0.3246



1.0942, 0.6106, 0.3137

Previews

White Background



This preview shows how the Yxy color 40.0487, 0.4340, 0.3180 looks on a white background.

Color Contrast Check

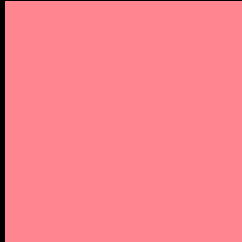
Large Text (above 18pt) WCAG AA × Fail

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 40.0487, 0.4340, 0.3180 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 40.0487, 0.4340, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 40.0487, 0.4340, 0.3180.



This preview shows how white text looks on a background with the Yxy color 40.0487, 0.4340, 0.3180.

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

40.0487, 0.4340, 0.3180

Protanopia

40.1342, 0.3234, 0.3373

Deuteranopia

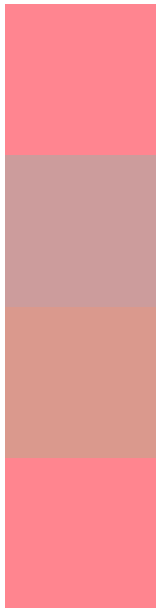
40.2853, 0.3681, 0.3620



Tritanopia

40.0182, 0.4352, 0.3190

Trichromacy



Original Color

40.0487, 0.4340, 0.3180

Protanomaly

39.0146, 0.3610, 0.3291

Deuteranomaly

39.6110, 0.3916, 0.3439

Tritanomaly

40.0182, 0.4352, 0.3190

Monochromacy



Original Color

40.0487, 0.4340, 0.3180

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.2437, 0.3537, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0487, 0.4340, 0.3180 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, 133, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 144)  
}
```

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, 133, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 144) }
```

Border

The CSS property to change the border of an element to Yxy 40.0487, 0.4340, 0.3180 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, 133, 144) }
```

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

```
.border{ border-color:rgb(255, 133, 144) }
```

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

Here you see how a box with a 4 pixel rgb(255, 133, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0487, 0.4340, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 144) }
```

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

```
.background{ background-color: rgb(255,  
133, 144) }
```

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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