

Converting Colors

$Y_{xy}(46.9209, 0.4251, 0.3239)$

Have a look what the booklet for
Yxy(46.9209, 0.4251, 0.3239)
contains.

Yxy(45.0880, 0.4156, 0.3241)	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(45.0880, 0.4156, 0.3241)

Conversions

Conversions Part 1

Format	Color
Hex	FF959A
RGB	255, 149, 154
RGB Percent	100%, 58%, 60%
CMY	0.0000, 0.4156, 0.3962
CMYK	0.00, 0.42, 0.40, 0.00
HSL	357°, 100%, 79%
HSV	357°, 42%, 100%
XYZ	57.8173, 45.0880, 36.2123
YIQ	181.2640, 61.5710, 24.0270

Conversions

Conversions Part 2

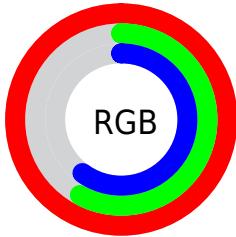
Format	Color
R _Y B	255, 149, 154
Decimal	16749978
CIE Lab	72.95, 40.25, 14.79
CIE LCh	73, 42.881, 20.182
Yxy	45.0880, 0.4156, 0.3241
Android (android.graphics.Color)	4294940058 (0xFFFF959A)
YUV	181.2640, -13.4412, 64.6665
Hunter-Lab	67.1476, 36.1886, 15.0286

Details

The Yxy color **45.0880, 0.4156, 0.3241** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.8140, 0.2579, 0.3344**, and the grayscale version is **46.4085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9998, 0.3496, 0.3250**, and **20.9471, 0.4454, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **37.1555, 0.4558, 0.3232**, and if you desaturate by 10%, it is **54.9552, 0.3820, 0.3253**.

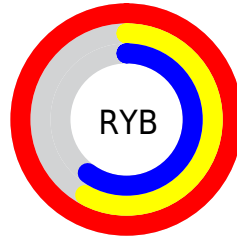
Distribution



Red (100%)

Green (58%)

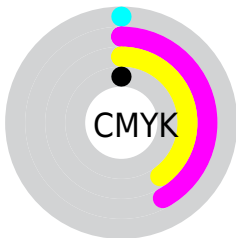
Blue (60%)



Red (100%)

Yellow (58%)

Blue (60%)

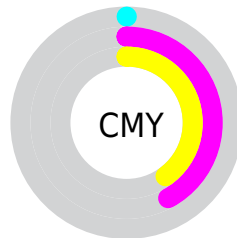


Cyan (0%)

Magenta (42%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0880, 0.4156, 0.3241 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 45.0880, 0.4156, 0.3241 by changing the saturation by 10% instead.


 45.0880, 0.4156,
0.3241


 45.0880, 0.4156,
0.3241


367.1298, 0.3634,
0.3282

 31.5267, 0.4287,
0.3226


 82.8524, 0.3965,
0.3260

 21.0003, 0.4456,
0.3203


 107.8244, 0.3894,
0.3266

 13.1242, 0.4680,
0.3168


137.3688, 0.3834,
0.3270

 7.5141, 0.4991,
0.3110

171.8699, 0.3782,
0.3274

 3.7857, 0.5443,
0.3006

211.7122, 0.3737,
0.3277

 1.5544, 0.6215,
0.2827

257.2800, 0.3699,

 0.3266, 0.8085,

0.3279

0.1915

308.9577, 0.3664,
0.3281

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.0880, 0.4156,
0.3241

45.0880, 0.4156,
0.3241

37.1555, 0.4558,
0.3232

54.9552, 0.3820,
0.3253

31.0244, 0.5013,
0.3228

66.8654, 0.3546,
0.3265

26.5556, 0.5485,
0.3232

80.9269, 0.3327,
0.3277

23.5864, 0.5913,
0.3244

97.2384, 0.3151,
0.3288

■ 21.9216, 0.6224,
0.3265

99.9995, 0.3127,
0.3290

■ 21.2859, 0.6368,
0.3281

Harmonies

Analogous

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



45.0880, 0.3661, 0.2815



45.0880, 0.4156, 0.3241



45.0880, 0.4337, 0.3708

Triad

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



45.0880, 0.4156, 0.3241



45.0880, 0.3118, 0.4295



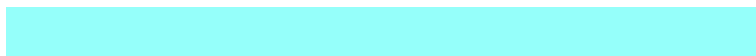
45.0880, 0.2158, 0.2406

Complementary

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



45.0880, 0.4156, 0.3241



84.8140, 0.2579, 0.3344

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.



45.0880, 0.2049, 0.2694



45.0880, 0.4156, 0.3241



45.0880, 0.2565, 0.3831

Square

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



45.0880, 0.4156, 0.3241



45.0880, 0.3702, 0.4383



45.0880, 0.2186, 0.3208



45.0880, 0.2502, 0.2350

Rectangle

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



45.0880, 0.4156, 0.3241



45.0880, 0.4253, 0.4002



45.0880, 0.2186, 0.3208



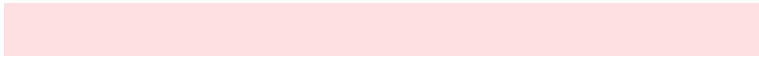
45.0880, 0.2095, 0.2475

Sweetspot

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



45.0903, 0.4156, 0.3241



80.2683, 0.3335, 0.3276



48.9869, 0.3131, 0.2252



16.7634, 0.3361, 0.3275



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.



45.0903, 0.4156, 0.3241



38.2744, 0.4491, 0.3233



63.2288, 0.3988, 0.3788



18.0008, 0.3287, 0.3279



11.1284, 0.6354, 0.3274



1.0882, 0.6243, 0.3213

Inverse Universe

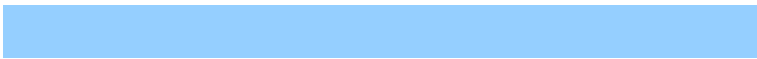
The Inverse Universe completely reimagines the original color for something new.



45.0903, 0.4156, 0.3241



38.2744, 0.4491, 0.3233



58.3837, 0.2465, 0.2724



18.0008, 0.3287, 0.3279



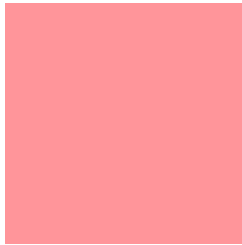
11.1284, 0.6354, 0.3274



1.0882, 0.6243, 0.3213

Previews

White Background



This preview shows how the Yxy color 45.0880, 0.4156, 0.3241 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 45.0880, 0.4156, 0.3241 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 45.0880, 0.4156, 0.3241

Background



This preview shows how black text looks on a background with the Yxy color 45.0880, 0.4156, 0.3241.



This preview shows how white text looks on a background with the Yxy color 45.0880, 0.4156, 0.3241.

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

45.0880, 0.4156, 0.3241

Protanopia

45.4191, 0.3261, 0.3422

Deuteranopia

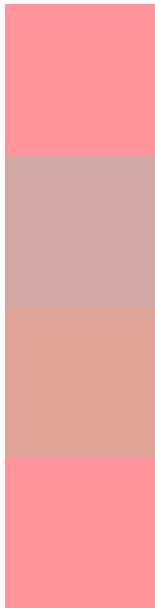
45.3545, 0.3645, 0.3579



Tritanopia

44.9430, 0.4107, 0.3177

Trichromacy



Original Color

45.0880, 0.4156, 0.3241

Protanomaly

44.3872, 0.3559, 0.3341

Deuteranomaly

44.6326, 0.3830, 0.3446

Tritanomaly

44.8741, 0.4128, 0.3199

Monochromacy



Original Color

45.0880, 0.4156, 0.3241

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

44.7261, 0.3473, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0880, 0.4156, 0.3241 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, 149, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 154)  
}
```

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, 149, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 154) }
```

Border

The CSS property to change the border of an element to Yxy 45.0880, 0.4156, 0.3241 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, 149, 154) }
```

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

```
.border{ border-color:rgb(255, 149, 154) }
```

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

Here you see how a box with a 4 pixel rgb(255, 149, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0880, 0.4156, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 154) }
```

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

```
.background{ background-color: rgb(255,  
149, 154) }
```

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