

Converting Colors

$Y_{xy}(48.3822, 0.3896, 0.3278)$

Have a look what the booklet for
Yxy(48.3822, 0.3896, 0.3278)
contains.

Yxy(48.3235, 0.3894, 0.3270)	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(48.3235, 0.3894, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	F5A3A5
RGB	245, 163, 165
RGB Percent	96%, 64%, 65%
CMY	0.0393, 0.3608, 0.3528
CMYK	0.00, 0.33, 0.33, 0.04
HSL	359°, 80%, 80%
HSV	359°, 33%, 96%
XYZ	57.5449, 48.3235, 41.9099
YIQ	187.7460, 48.2300, 18.0060

Conversions

Conversions Part 2

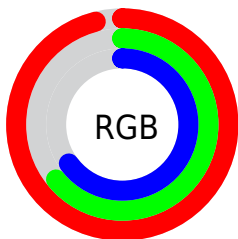
Format	Color
RYB	245, 163, 165
Decimal	16098213
CIELab	75.03, 30.62, 11.46
CIElCh	75, 32.697, 20.521
Yxy	48.3235, 0.3894, 0.3270
Android (android.graphics.Color)	4294288293 (0xFFFF5A3A5)
YUV	187.7460, -11.2138, 50.2118
Hunter-Lab	69.5151, 26.1115, 12.9153

Details

The Yxy color **48.3235, 0.3894, 0.3270** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **79.5542, 0.2661, 0.3312**, and the grayscale version is **50.1847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0903, 0.3383, 0.3281**, and **22.9089, 0.4122, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **39.6614, 0.4250, 0.3265**, and if you desaturate by 10%, it is **58.8378, 0.3603, 0.3276**.

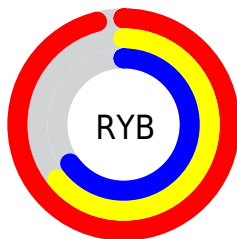
Distribution



Red (96%)

Green (64%)

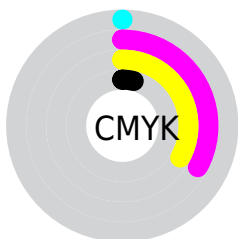
Blue (65%)



Red (96%)

Yellow (64%)

Blue (65%)

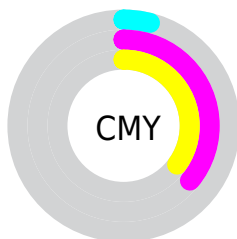


Cyan (0%)

Magenta (33%)

Yellow (33%)

Black (4%)



Cyan (4%)


Magenta (36%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3235, 0.3894, 0.3270 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 48.3235, 0.3894, 0.3270 by changing the saturation by 10% instead.

 48.3235, 0.3894,
0.3270

 48.3235, 0.3894,
0.3270


380.0730, 0.3509,
0.3289

 34.0831, 0.3990,
0.3262

 87.6859, 0.3754,
0.3279

 22.9575, 0.4113,
0.3251


 113.5767, 0.3702,
0.3282

 14.5621, 0.4276,
0.3233


144.1197, 0.3657,
0.3284

 8.5127, 0.4502,
0.3203

179.6995, 0.3619,
0.3286

 4.4247, 0.4833,
0.3149

220.7003, 0.3586,
0.3287

 1.9139, 0.5358,
0.3037

267.5065, 0.3557,

 0.5567, 0.7089,

0.3288

0.2911

320.5026, 0.3532,
0.3289

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.3235, 0.3894,
0.3270

48.3235, 0.3894,
0.3270

39.6614, 0.4250,
0.3265

58.8378, 0.3603,
0.3276

32.7378, 0.4671,
0.3261

71.2956, 0.3369,
0.3282

27.4375, 0.5141,
0.3260

85.7903, 0.3183,
0.3288

23.6281, 0.5613,
0.3264

98.1505, 0.3066,
0.3290

■ 21.1569, 0.6020,
0.3273

■ 19.8383, 0.6289,
0.3285

■ 19.4238, 0.6382,
0.3290

Harmonies

Analogous

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



48.3235, 0.3533, 0.2933



48.3235, 0.3894, 0.3270



48.3235, 0.4031, 0.3632

Triad

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



48.3235, 0.3894, 0.3270



48.3235, 0.3128, 0.4017



48.3235, 0.2388, 0.2618

Complementary

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



48.3235, 0.3894, 0.3270



79.5542, 0.2661, 0.3312

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.



48.3235, 0.2300, 0.2849



48.3235, 0.3894, 0.3270



48.3235, 0.2706, 0.3683

Square

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



48.3235, 0.3894, 0.3270



48.3235, 0.3568, 0.4103



48.3235, 0.2410, 0.3236



48.3235, 0.2661, 0.2568

Rectangle

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



48.3235, 0.3894, 0.3270



48.3235, 0.3974, 0.3851



48.3235, 0.2410, 0.3236



48.3235, 0.2337, 0.2675

Sweetspot

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



48.3258, 0.3894, 0.3270



83.2963, 0.3300, 0.3284



51.7118, 0.3144, 0.2452



17.3658, 0.3328, 0.3283



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.



48.3258, 0.3894, 0.3270



46.4268, 0.4122, 0.3266



63.9525, 0.3775, 0.3703



16.4892, 0.3290, 0.3285



10.4680, 0.6375, 0.3285



0.9223, 0.6309, 0.3249

Inverse Universe

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



48.3258, 0.3894, 0.3270



46.4268, 0.4122, 0.3266



58.8749, 0.2593, 0.2836



16.4892, 0.3290, 0.3285



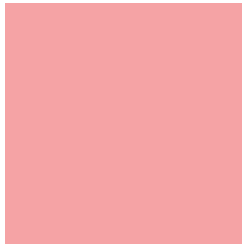
10.4680, 0.6375, 0.3285



0.9223, 0.6309, 0.3249

Previews

White Background



This preview shows how the Yxy color 48.3235, 0.3894, 0.3270 looks on a white background.

Color Contrast Check

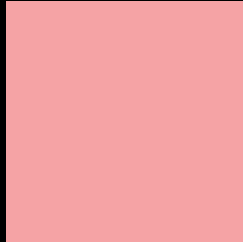
Large Text (above 18pt) WCAG AA × Fail

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 48.3235, 0.3894, 0.3270 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 48.3235, 0.3894, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 48.3235, 0.3894, 0.3270.



This preview shows how white text looks on a background with the Yxy color 48.3235, 0.3894, 0.3270.

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

48.3235, 0.3894, 0.3270

Protanopia

48.3627, 0.3242, 0.3393

Deuteranopia

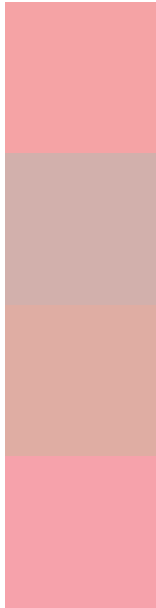
48.2983, 0.3560, 0.3487



Tritanopia

48.4895, 0.3819, 0.3162

Trichromacy



Original Color

48.3235, 0.3894, 0.3270

Protanomaly

47.7309, 0.3467, 0.3340

Deuteranomaly

48.2195, 0.3676, 0.3410

Tritanomaly

48.3738, 0.3848, 0.3194

Monochromacy



Original Color

48.3235, 0.3894, 0.3270

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.0908, 0.3383, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3235, 0.3894, 0.3270 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(245, 163, 165)` looks like.

```
.text, #text, p{  
    color:rgb(245, 163, 165)  
}
```

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(245, 163, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 163, 165) }
```

Border

The CSS property to change the border of an element to Yxy 48.3235, 0.3894, 0.3270 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(245, 163, 165) }
```

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

```
.border{ border-color:rgb(245, 163, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 163, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 163, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 163, 165);  
box-shadow:4px 4px 4px 4px rgb(245, 163,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3235, 0.3894, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 163, 165) }
```

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

```
.background{ background-color: rgb(245,  
163, 165) }
```

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