

Converting Colors

$Y_{xy}(38.4051, 0.4458, 0.3208)$

Have a look what the booklet for
Yxy(38.4051, 0.4458, 0.3208)
contains.

Yxy(38.4759, 0.4458, 0.3212)	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(38.4759, 0.4458, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	FF8088
RGB	255, 128, 136
RGB Percent	100%, 50%, 53%
CMY	0.0000, 0.4980, 0.4666
CMYK	0.00, 0.50, 0.47, 0.00
HSL	356°, 100%, 75%
HSV	356°, 50%, 100%
XYZ	53.4015, 38.4759, 27.9106
YIQ	166.8850, 73.1240, 29.4120

Conversions

Conversions Part 2

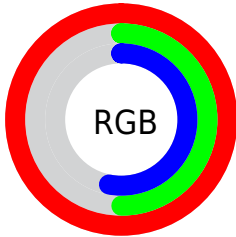
Format	Color
RYB	255, 128, 136
Decimal	16744584
CIELab	68.37, 48.92, 18.42
CIELCh	68, 52.269, 20.632
Yxy	38.4759, 0.4458, 0.3212
Android (android.graphics.Color)	4294934664 (0xFFFF8088)
YUV	166.8850, -15.2263, 77.2769
Hunter-Lab	62.0289, 45.1222, 16.7421

Details

The Yxy color **38.4759, 0.4458, 0.3212** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.8186, 0.2508, 0.3380**, and the grayscale version is **38.6360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8011, 0.3699, 0.3229**, and **17.0388, 0.4874, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **32.0349, 0.4898, 0.3204**, and if you desaturate by 10%, it is **46.7434, 0.4075, 0.3226**.

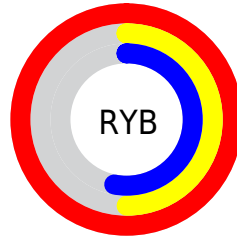
Distribution



Red (100%)

Green (50%)

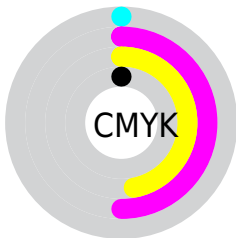
Blue (53%)



Red (100%)

Yellow (50%)

Blue (53%)

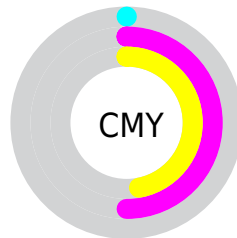


Cyan (0%)

Magenta (50%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (50%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4759, 0.4458, 0.3212 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 38.4759, 0.4458, 0.3212 by changing the saturation by 10% instead.


 38.4759, 0.4458,
0.3212


 38.4759, 0.4458,
0.3212


339.6571, 0.3766,
0.3280


 26.3523, 0.4636,
0.3186


 72.8370, 0.4202,
0.3244

 17.0874, 0.4867,
0.3146


 95.8432, 0.4107,
0.3253

 10.2968, 0.5175,
0.3083


 123.2458, 0.4027,
0.3261

 5.5962, 0.5604,
0.2977

155.4290, 0.3960,
0.3266

 2.6011, 0.6226,
0.2783

192.7774, 0.3901,
0.3271

 0.9272, 0.7495,
0.2505

235.6753, 0.3850,


 0.0000, 1.0000,


0.3274


0.0000

284.5070, 0.3806,
0.3277

 0.0000, 0.0000,
0.0000


 38.4759, 0.4458,
0.3212


 38.4759, 0.4458,
0.3212

 32.0349, 0.4898,
0.3204


 46.7434, 0.4075,
0.3226


 27.2764, 0.5367,
0.3206


 56.9550, 0.3756,
0.3242

 24.0452, 0.5809,
0.3220

 69.2256, 0.3497,
0.3259

 22.1540, 0.6152,
0.3245

 83.6593, 0.3290,
0.3275

 21.3085, 0.6351,
0.3273

99.9982, 0.3127,
0.3290

■ 21.2958, 0.6354,
0.3274

Harmonies

Analogous

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



38.4759, 0.3818, 0.2698



38.4759, 0.4458, 0.3212



38.4759, 0.4669, 0.3781

Triad

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



38.4759, 0.4458, 0.3212



38.4759, 0.3078, 0.4611



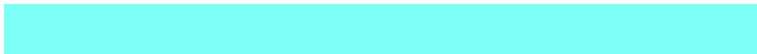
38.4759, 0.1928, 0.2178

Complementary

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



38.4759, 0.4458, 0.3212



82.8186, 0.2508, 0.3380

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.



38.4759, 0.1790, 0.2509



38.4759, 0.4458, 0.3212



38.4759, 0.2394, 0.3985

Square

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



38.4759, 0.4458, 0.3212



38.4759, 0.3815, 0.4691



38.4759, 0.1942, 0.3151



38.4759, 0.2345, 0.2127

Rectangle

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



38.4759, 0.4458, 0.3212



38.4759, 0.4540, 0.4154



38.4759, 0.1942, 0.3151



38.4759, 0.1851, 0.2255

Sweetspot

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



38.4779, 0.4458, 0.3212



75.8799, 0.3392, 0.3266



42.3490, 0.3109, 0.2059



15.6028, 0.3437, 0.3263



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.



38.4779, 0.4458, 0.3212



31.9247, 0.4908, 0.3204



56.6990, 0.4226, 0.3860



18.0056, 0.3285, 0.3275



11.1355, 0.6337, 0.3265



1.0904, 0.6191, 0.3184

Inverse Universe

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



38.4779, 0.4458, 0.3212



31.9247, 0.4908, 0.3204



53.1027, 0.2344, 0.2615



18.0056, 0.3285, 0.3275



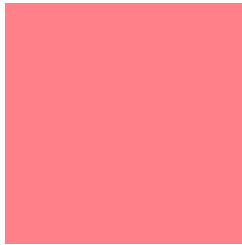
11.1355, 0.6337, 0.3265



1.0904, 0.6191, 0.3184

Previews

White Background



This preview shows how the Yxy color 38.4759, 0.4458, 0.3212 looks on a white background.

Color Contrast Check

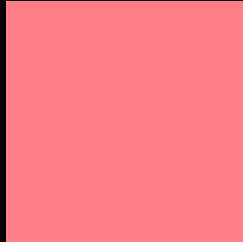
Large Text (above 18pt) WCAG AA × Fail

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 38.4759, 0.4458, 0.3212 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 38.4759, 0.4458, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 38.4759, 0.4458, 0.3212.



This preview shows how white text looks on a background with the Yxy color 38.4759, 0.4458, 0.3212.

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

38.4759, 0.4458, 0.3212

Protanopia

38.8882, 0.3288, 0.3459

Deuteranopia

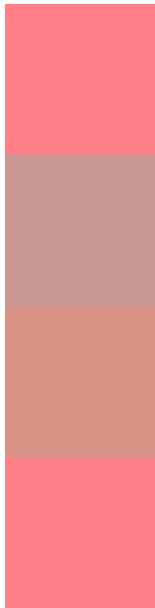
38.5161, 0.3763, 0.3676



Tritanopia

38.5045, 0.4447, 0.3202

Trichromacy



Original Color

38.4759, 0.4458, 0.3212

Protanomaly

37.6171, 0.3691, 0.3356

Deuteranomaly

37.6250, 0.4014, 0.3476

Tritanomaly

38.5045, 0.4447, 0.3202

Monochromacy



Original Color

38.4759, 0.4458, 0.3212

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.3249, 0.3568, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4759, 0.4458, 0.3212 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, 128, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 136)  
}
```

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, 128, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 136) }
```

Border

The CSS property to change the border of an element to Yxy 38.4759, 0.4458, 0.3212 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, 128, 136) }
```

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

```
.border{ border-color:rgb(255, 128, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4759, 0.4458, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 136) }
```

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

```
.background{ background-color: rgb(255,  
128, 136) }
```

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