

Converting Colors

$Y_{xy}(67.1285, 0.4368, 0.3232)$

Have a look what the booklet for
Yxy(67.1285, 0.4368, 0.3232)
contains.

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Color

Yxy(53.1838, 0.3846, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	FFAAB1
RGB	255, 170, 177
RGB Percent	100%, 67%, 69%
CMY	0.0000, 0.3334, 0.3058
CMYK	0.00, 0.33, 0.31, 0.00
HSL	355°, 100%, 83%
HSV	355°, 33%, 100%
XYZ	63.5627, 53.1838, 48.5232
YIQ	196.2130, 48.4130, 20.1970

Conversions

Conversions Part 2

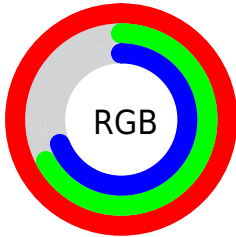
Format	Color
RYB	255, 170, 177
Decimal	16755377
CIELab	77.98, 32.14, 9.27
CIELCh	78, 33.455, 16.094
Yxy	53.1838, 0.3846, 0.3218
Android (android.graphics.Color)	4294945457 (0xFFFFAAB1)
YUV	196.2130, -9.4720, 51.5562
Hunter-Lab	72.9272, 27.9564, 11.5996

Details

The Yxy color **53.1838, 0.3846, 0.3218** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **86.8392, 0.2685, 0.3366**, and the grayscale version is **55.3678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5359, 0.3285, 0.3221**, and **25.9390, 0.4031, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **43.6748, 0.4179, 0.3197**, and if you desaturate by 10%, it is **64.6975, 0.3573, 0.3240**.

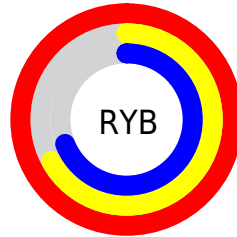
Distribution



Red (100%)

Green (67%)

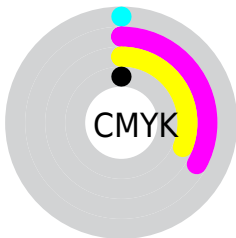
Blue (69%)



Red (100%)

Yellow (67%)

Blue (69%)

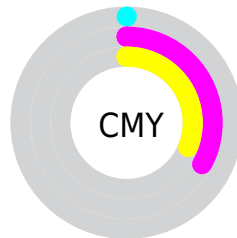


Cyan (0%)

Magenta (33%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1838, 0.3846, 0.3218 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 53.1838, 0.3846, 0.3218 by changing the saturation by 10% instead.


 53.1838, 0.3846,
0.3218

 53.1838, 0.3846,
0.3218


398.9899, 0.3491,
0.3261

 37.9495, 0.3933,
0.3206

 94.8748, 0.3718,
0.3235

 25.9435, 0.4043,
0.3189


122.1003, 0.3670,
0.3241

 16.7814, 0.4187,
0.3165


154.0916, 0.3629,
0.3246

 10.0787, 0.4385,
0.3129

191.2332, 0.3594,
0.3250

 5.4512, 0.4669,
0.3071

233.9094, 0.3563,
0.3253

 2.5144, 0.5110,
0.2965

282.5047, 0.3536,

 0.8838, 0.6124,

0.3256

0.2860

337.4034, 0.3513,
0.3258

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.1838, 0.3846,
0.3218

53.1838, 0.3846,
0.3218

43.6748, 0.4179,
0.3197

64.6975, 0.3573,
0.3240

36.0685, 0.4576,
0.3181

78.3361, 0.3353,
0.3262

30.2327, 0.5022,
0.3174

94.1942, 0.3178,
0.3283

26.0243, 0.5484,
0.3180

100.0000, 0.3127,
0.3290

■ 23.2777, 0.5901,
0.3202

■ 21.7921, 0.6207,
0.3238

■ 21.3146, 0.6333,
0.3262

Harmonies

Analogous

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



53.1838, 0.3465, 0.2893



53.1838, 0.3846, 0.3218



53.1838, 0.4019, 0.3578

Triad

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



53.1838, 0.3846, 0.3218



53.1838, 0.3194, 0.4039



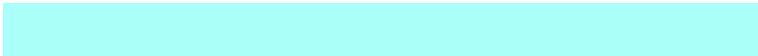
53.1838, 0.2369, 0.2647

Complementary

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



53.1838, 0.3846, 0.3218



86.8392, 0.2685, 0.3366

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.



53.1838, 0.2310, 0.2901



53.1838, 0.3846, 0.3218



53.1838, 0.2766, 0.3739

Square

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



53.1838, 0.3846, 0.3218



53.1838, 0.3623, 0.4086



53.1838, 0.2449, 0.3302



53.1838, 0.2614, 0.2570

Rectangle

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



53.1838, 0.3846, 0.3218



53.1838, 0.3988, 0.3802



53.1838, 0.2449, 0.3302



53.1838, 0.2327, 0.2712

Sweetspot

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



53.1792, 0.3846, 0.3218



83.3799, 0.3290, 0.3270



55.9049, 0.3110, 0.2445



17.3858, 0.3316, 0.3267



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.



53.1792, 0.3846, 0.3218



46.6315, 0.4061, 0.3204



68.0198, 0.3789, 0.3659



18.0115, 0.3281, 0.3271



11.1457, 0.6313, 0.3251



1.0932, 0.6128, 0.3150

Inverse Universe

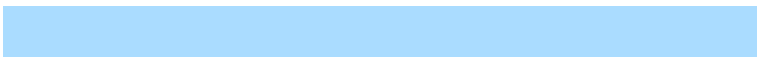
The Inverse Universe completely reimagines the original color for something new.



53.1792, 0.3846, 0.3218



46.6315, 0.4061, 0.3204



66.7291, 0.2600, 0.2887



18.0115, 0.3281, 0.3271



11.1457, 0.6313, 0.3251



1.0932, 0.6128, 0.3150

Previews

White Background



This preview shows how the Yxy color 53.1838, 0.3846, 0.3218 looks on a white background.

Color Contrast Check

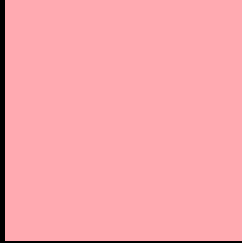
Large Text (above 18pt) WCAG AA × Fail

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 53.1838, 0.3846, 0.3218 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 53.1838, 0.3846, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 53.1838, 0.3846, 0.3218.



This preview shows how white text looks on a background with the Yxy color 53.1838, 0.3846, 0.3218.

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

53.1838, 0.3846, 0.3218

Protanopia

53.3792, 0.3199, 0.3327

Deuteranopia

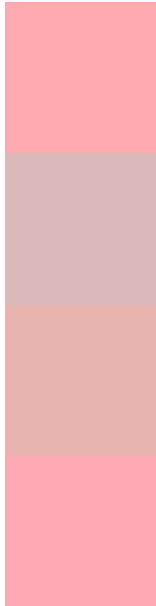
53.2339, 0.3508, 0.3432



Tritanopia

53.0133, 0.3802, 0.3155

Trichromacy



Original Color

53.1838, 0.3846, 0.3218

Protanomaly

52.8438, 0.3420, 0.3279

Deuteranomaly

52.8935, 0.3630, 0.3348

Tritanomaly

52.9312, 0.3821, 0.3176

Monochromacy



Original Color

53.1838, 0.3846, 0.3218

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

53.9665, 0.3364, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1838, 0.3846, 0.3218 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, 170, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 177)  
}
```

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, 170, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 177) }
```

Border

The CSS property to change the border of an element to Yxy 53.1838, 0.3846, 0.3218 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, 170, 177) }
```

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

```
.border{ border-color:rgb(255, 170, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1838, 0.3846, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 177) }
```

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

```
.background{ background-color: rgb(255,  
170, 177) }
```

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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