

Converting Colors

$Y_{xy}(53.2113, 0.3839, 0.3210)$

Have a look what the booklet for
Yxy(53.2113, 0.3839, 0.3210)
contains.

Yxy(53.2238, 0.3836, 0.3208)	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(53.2238, 0.3836, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	FFAAB2
RGB	255, 170, 178
RGB Percent	100%, 67%, 70%
CMY	0.0001, 0.3333, 0.3019
CMYK	0.00, 0.33, 0.30, 0.00
HSL	354°, 100%, 83%
HSV	354°, 33%, 100%
XYZ	63.6429, 53.2238, 49.0429
YIQ	196.3270, 48.0920, 20.5080

Conversions

Conversions Part 2

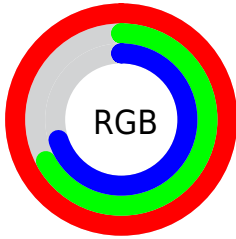
Format	Color
R_{YB}	255, 170, 178
Decimal	16755378
CIE _{Lab}	78.01, 32.23, 8.77
CIE _{LCh}	78, 33.399, 15.226
Yxy	53.2238, 0.3836, 0.3208
Android (android.graphics.Color)	4294945458 (0xFFFFAAB2)
YUV	196.3270, -9.0352, 51.4562
Hunter-Lab	72.9546, 28.0461, 11.2113

Details

The Yxy color **53.2238, 0.3836, 0.3208** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **86.7632, 0.2690, 0.3376**, and the grayscale version is **55.4439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5932, 0.3278, 0.3211**, and **25.9390, 0.4031, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **43.7235, 0.4165, 0.3184**, and if you desaturate by 10%, it is **64.7392, 0.3567, 0.3234**.

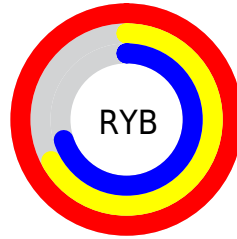
Distribution



Red (100%)

Green (67%)

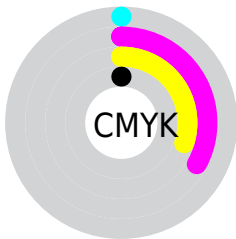
Blue (70%)



Red (100%)

Yellow (67%)

Blue (70%)

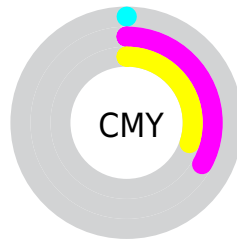


Cyan (0%)

Magenta (33%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (33%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2238, 0.3836, 0.3208 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 53.2238, 0.3836, 0.3208 by changing the saturation by 10% instead.


 53.2238, 0.3836,
0.3208

 53.2238, 0.3836,
0.3208


399.1432, 0.3487,
0.3255

 37.9815, 0.3921,
0.3195


 94.9336, 0.3710,
0.3226

 25.9683, 0.4030,
0.3177

122.1699, 0.3663,
0.3233

 16.7999, 0.4172,
0.3151


154.1729, 0.3622,
0.3238

 10.0919, 0.4367,
0.3114

191.3270, 0.3588,
0.3243

 5.4600, 0.4647,
0.3053

234.0168, 0.3557,
0.3247

 2.5196, 0.5082,
0.2946

282.6264, 0.3531,

 0.8864, 0.6055,

0.3250

0.2824

337.5404, 0.3507,
0.3253

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.2238, 0.3836,
0.3208

53.2238, 0.3836,
0.3208

43.7235, 0.4165,
0.3184

64.7392, 0.3567,
0.3234

36.1151, 0.4556,
0.3166

78.3682, 0.3350,
0.3259

30.2743, 0.4998,
0.3156

94.2121, 0.3177,
0.3283

26.0582, 0.5456,
0.3162

99.9942, 0.3127,
0.3290

■ 23.3019, 0.5875,
0.3187

■ 21.8056, 0.6187,
0.3227

■ 21.3201, 0.6319,
0.3254

Harmonies

Analogous

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



53.2238, 0.3452, 0.2885



53.2238, 0.3836, 0.3208



53.2238, 0.4016, 0.3567

Triad

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



53.2238, 0.3836, 0.3208



53.2238, 0.3207, 0.4043



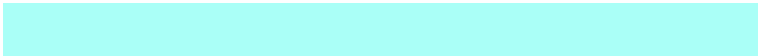
53.2238, 0.2366, 0.2653

Complementary

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



53.2238, 0.3836, 0.3208



86.7632, 0.2690, 0.3376

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.



53.2238, 0.2313, 0.2912



53.2238, 0.3836, 0.3208



53.2238, 0.2778, 0.3750

Square

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



53.2238, 0.3836, 0.3208



53.2238, 0.3633, 0.4082



53.2238, 0.2457, 0.3315



53.2238, 0.2606, 0.2571

Rectangle

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



53.2238, 0.3836, 0.3208



53.2238, 0.3990, 0.3792



53.2238, 0.2457, 0.3315



53.2238, 0.2326, 0.2720

Sweetspot

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



53.2263, 0.3836, 0.3208



83.3961, 0.3288, 0.3267



55.6542, 0.3098, 0.2443



17.3897, 0.3314, 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.



53.2263, 0.3836, 0.3208



46.6722, 0.4049, 0.3192



67.3433, 0.3793, 0.3645



18.0148, 0.3280, 0.3268



11.1524, 0.6297, 0.3243



1.0948, 0.6094, 0.3131

Inverse Universe

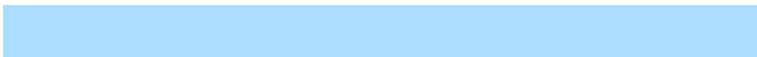
The Inverse Universe completely reimagines the original color for something new.



53.2263, 0.3836, 0.3208



46.6722, 0.4049, 0.3192



67.4742, 0.2603, 0.2904



18.0148, 0.3280, 0.3268



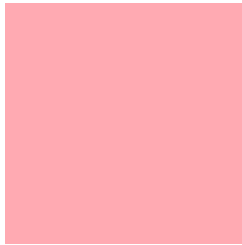
11.1524, 0.6297, 0.3243



1.0948, 0.6094, 0.3131

Previews

White Background



This preview shows how the Yxy color 53.2238, 0.3836, 0.3208 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 53.2238, 0.3836, 0.3208 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 53.2238, 0.3836, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 53.2238, 0.3836, 0.3208.



This preview shows how white text looks on a background with the Yxy color 53.2238, 0.3836, 0.3208.

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

53.2238, 0.3836, 0.3208

Protanopia

53.2873, 0.3183, 0.3315

Deuteranopia

53.2730, 0.3500, 0.3420



Tritanopia

53.3868, 0.3799, 0.3166

Trichromacy



Original Color

53.2238, 0.3836, 0.3208



Protanomaly

52.7316, 0.3403, 0.3267



Deuteranomaly

52.9329, 0.3621, 0.3337



Tritanomaly

53.3456, 0.3808, 0.3176

Monochromacy



Original Color

53.2238, 0.3836, 0.3208



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 53.2238, 0.3836, 0.3208 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 178) }
```

Border

The CSS property to change the border of an element to Yxy 53.2238, 0.3836, 0.3208 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, 178) }
```

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

```
.border{ border-color:rgb(255, 170, 178) }
```

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, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2238, 0.3836, 0.3208 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
170, 178) }
```

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