

Converting Colors

$Y_{xy}(55.4008, 0.3532, 0.3110)$

Have a look what the booklet for
Yxy(55.4008, 0.3532, 0.3110)
contains.

Yxy(55.5053, 0.3533, 0.3118)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.5053, 0.3533, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	F2B4C4
RGB	242, 180, 196
RGB Percent	95%, 71%, 77%
CMY	0.0511, 0.2940, 0.2314
CMYK	0.00, 0.26, 0.19, 0.05
HSL	345°, 70%, 83%
HSV	345°, 26%, 95%
XYZ	62.8930, 55.5053, 59.6175
YIQ	200.3620, 31.8160, 18.1200

Conversions

Conversions Part 2

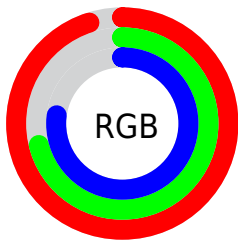
Format	Color
R_{YB}	242, 180, 196
Decimal	15905988
CIE _{Lab}	79.33, 24.79, 0.75
CIE _{LCh}	79, 24.803, 1.722
Yxy	55.5053, 0.3533, 0.3118
Android (android.graphics.Color)	4294096068 (0xFFFF2B4C4)
YUV	200.3620, -2.1505, 36.5165
Hunter-Lab	74.5019, 20.3077, 4.7066

Details

The Yxy color **55.5053, 0.3533, 0.3118** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.6800, 0.2836, 0.3470**, and the grayscale version is **57.9927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3428, 0.3148, 0.3126**, and **27.4460, 0.3645, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **45.8054, 0.3759, 0.3047**, and if you desaturate by 10%, it is **67.0135, 0.3348, 0.3188**.

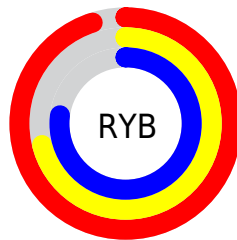
Distribution



Red (95%)

Green (71%)

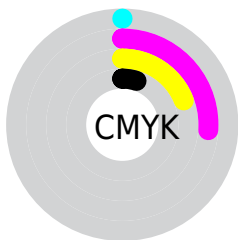
Blue (77%)



Red (95%)

Yellow (71%)

Blue (77%)

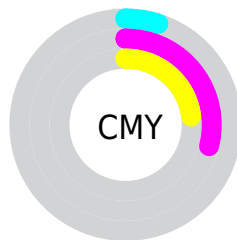


Cyan (0%)

Magenta (26%)

Yellow (19%)

Black (5%)



Cyan (5%)


Magenta (29%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5053, 0.3533, 0.3118 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 55.5053, 0.3533, 0.3118 by changing the saturation by 10% instead.


 55.5053, 0.3533,
0.3118

 55.5053, 0.3533,
0.3118


407.8245, 0.3336,
0.3202

 39.8064, 0.3581,
0.3098


 98.2809, 0.3463,
0.3148

 27.3877, 0.3641,
0.3072


126.1264, 0.3436,
0.3160

 17.8646, 0.3719,
0.3038


158.7896, 0.3413,
0.3169

 10.8528, 0.3826,
0.2992

196.6549, 0.3393,
0.3178

 5.9679, 0.3979,
0.2926

240.1066, 0.3376,
0.3185

 2.8256, 0.4217,
0.2822

289.5292, 0.3361,

 1.0414, 0.4633,

0.3191

0.2638

345.3070, 0.3348,
0.3197

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

55.5053, 0.3533,
0.3118

55.5053, 0.3533,
0.3118

45.8054, 0.3759,
0.3047

67.0135, 0.3348,
0.3188

37.8140, 0.4032,
0.2981

80.4078, 0.3198,
0.3255

31.4335, 0.4355,
0.2925

95.7707, 0.3077,
0.3317

26.5530, 0.4720,
0.2890

97.6110, 0.3047,
0.3290

■ 23.0478, 0.5109,
0.2887

■ 20.7725, 0.5490,
0.2926

■ 19.5481, 0.5821,
0.3007

■ 19.2230, 0.5945,
0.3049

Harmonies

Analogous

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



55.5053, 0.3218, 0.2899



55.5053, 0.3533, 0.3118



55.5053, 0.3739, 0.3385

Triad

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



55.5053, 0.3533, 0.3118



55.5053, 0.3339, 0.3870



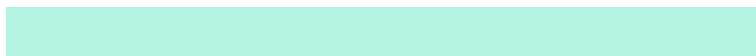
55.5053, 0.2522, 0.2895

Complementary

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



55.5053, 0.3533, 0.3118



78.6800, 0.2836, 0.3470

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.



55.5053, 0.2551, 0.3144



55.5053, 0.3533, 0.3118



55.5053, 0.3012, 0.3734

Square

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



55.5053, 0.3533, 0.3118



55.5053, 0.3619, 0.3828



55.5053, 0.2727, 0.3457



55.5053, 0.2643, 0.2766

Rectangle

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



55.5053, 0.3533, 0.3118



55.5053, 0.3780, 0.3562



55.5053, 0.2727, 0.3457



55.5053, 0.2515, 0.2966

Sweetspot

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



55.5079, 0.3533, 0.3118



86.7308, 0.3232, 0.3239



55.1399, 0.3026, 0.2626



18.0639, 0.3254, 0.3229



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.



55.5079, 0.3533, 0.3118



56.2916, 0.3652, 0.3079



60.9630, 0.3634, 0.3449



15.8257, 0.3253, 0.3229



10.3489, 0.5904, 0.3026



0.8766, 0.5534, 0.2822

Inverse Universe

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



55.5079, 0.3533, 0.3118



56.2916, 0.3652, 0.3079



71.3331, 0.2736, 0.3125



15.8257, 0.3253, 0.3229



10.3489, 0.5904, 0.3026



0.8766, 0.5534, 0.2822

Previews

White Background



This preview shows how the Yxy color 55.5053, 0.3533, 0.3118 looks on a white background.

Color Contrast Check

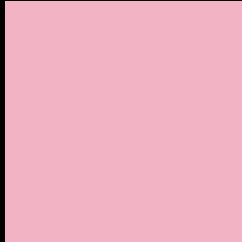
Large Text (above 18pt) WCAG AA × Fail

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 55.5053, 0.3533, 0.3118 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 55.5053, 0.3533, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 55.5053, 0.3533, 0.3118.



This preview shows how white text looks on a background with the Yxy color 55.5053, 0.3533, 0.3118.

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

55.5053, 0.3533, 0.3118

Protanopia

55.8934, 0.3077, 0.3182

Deuteranopia

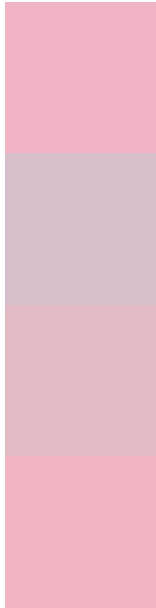
55.4737, 0.3320, 0.3244



Tritanopia

55.4148, 0.3551, 0.3139

Trichromacy



Original Color

55.5053, 0.3533, 0.3118

Protanomaly

55.3873, 0.3232, 0.3151

Deuteranomaly

55.2267, 0.3394, 0.3189

Tritanomaly

55.4599, 0.3542, 0.3128

Monochromacy



Original Color

55.5053, 0.3533, 0.3118

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

56.7105, 0.3260, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5053, 0.3533, 0.3118 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(242, 180, 196)` looks like.

```
.text, #text, p{  
    color:rgb(242, 180, 196)  
}
```

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(242, 180, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 180, 196) }
```

Border

The CSS property to change the border of an element to Yxy 55.5053, 0.3533, 0.3118 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(242, 180, 196) }
```

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

```
.border{ border-color:rgb(242, 180, 196) }
```

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

Here you see how a box with a 4 pixel rgb(242, 180, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 180, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 180, 196);  
box-shadow:4px 4px 4px 4px rgb(242, 180,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5053, 0.3533, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 180, 196) }
```

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

```
.background{ background-color: rgb(242,  
180, 196) }
```

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