

Converting Colors

$Yxy(51.1021, 0.3830, 0.3198)$

Have a look what the booklet for
Yxy(51.1021, 0.3830, 0.3198)
contains.

Yxy(51.2813, 0.3829, 0.3196)	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(51.2813, 0.3829, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	FBA7B0
RGB	251, 167, 176
RGB Percent	98%, 65%, 69%
CMY	0.0157, 0.3451, 0.3098
CMYK	0.00, 0.33, 0.30, 0.02
HSL	354°, 91%, 82%
HSV	354°, 33%, 98%
XYZ	61.4381, 51.2813, 47.7353
YIQ	193.1420, 47.1750, 20.6070

Conversions

Conversions Part 2

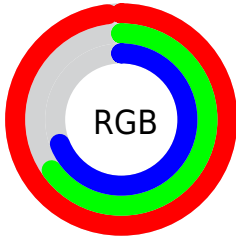
Format	Color
R _Y B	251, 167, 176
Decimal	16492464
CIE Lab	76.85, 32.11, 8.15
CIE LCh	77, 33.124, 14.244
Yxy	51.2813, 0.3829, 0.3196
Android (android.graphics.Color)	4294682544 (0xFFFBA7B0)
YUV	193.1420, -8.4510, 50.7415
Hunter-Lab	71.6110, 27.8235, 10.6055

Details

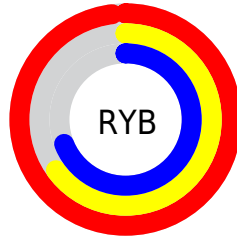
The Yxy color **51.2813, 0.3829, 0.3196** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.6197, 0.2694, 0.3389**, and the grayscale version is **53.4477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8615, 0.3295, 0.3201**, and **24.8273, 0.4023, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **42.1469, 0.4153, 0.3169**, and if you desaturate by 10%, it is **62.3517, 0.3564, 0.3225**.

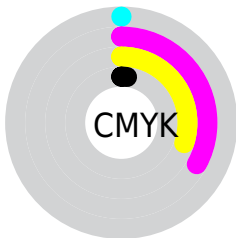
Distribution



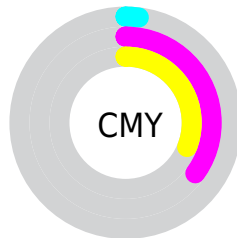
- Red (98%)
- Green (65%)
- Blue (69%)



- Red (98%)
- Yellow (65%)
- Blue (69%)



- Cyan (0%)
- Magenta (33%)
- Yellow (30%)
- Black (2%)





- Cyan (2%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2813, 0.3829, 0.3196 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 51.2813, 0.3829, 0.3196 by changing the saturation by 10% instead.


 51.2813, 0.3829,
0.3196


 51.2813, 0.3829,
0.3196

391.6557, 0.3481,
0.3249

 36.4325, 0.3915,
0.3181


 92.0704, 0.3703,
0.3216

 24.7684, 0.4024,
0.3161


 118.7796, 0.3656,
0.3224

 15.9046, 0.4168,
0.3134


150.2110, 0.3616,
0.3230

 9.4567, 0.4365,
0.3092

186.7491, 0.3581,
0.3235

 5.0402, 0.4653,
0.3027

228.7782, 0.3551,
0.3239

 2.2709, 0.5104,
0.2909

276.6827, 0.3525,

 0.7582, 0.6255,

0.3243

0.2800

330.8471, 0.3502,
0.3246

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.2813, 0.3829,
0.3196

■ 51.2813, 0.3829,
0.3196

■ 42.1469, 0.4153,
0.3169

■ 62.3517, 0.3564,
0.3225

■ 34.8303, 0.4539,
0.3147

■ 75.4526, 0.3350,
0.3254

■ 29.2118, 0.4974,
0.3136

■ 90.6814, 0.3178,
0.3281

■ 25.1543, 0.5429,
0.3142

■ 99.2486, 0.3102,
0.3290

■ 22.4995, 0.5846,
0.3168

■ 21.0553, 0.6163,
0.3214

■ 20.5872, 0.6300,
0.3244

Harmonies

Analogous

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



51.2813, 0.3438, 0.2874



51.2813, 0.3829, 0.3196



51.2813, 0.4018, 0.3556

Triad

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



51.2813, 0.3829, 0.3196



51.2813, 0.3222, 0.4052



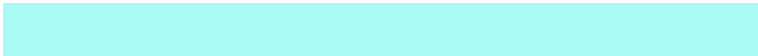
51.2813, 0.2358, 0.2656

Complementary

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



51.2813, 0.3829, 0.3196



83.6197, 0.2694, 0.3389

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.



51.2813, 0.2312, 0.2921



51.2813, 0.3829, 0.3196



51.2813, 0.2789, 0.3765

Square

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



51.2813, 0.3829, 0.3196



51.2813, 0.3647, 0.4082



51.2813, 0.2463, 0.3330



51.2813, 0.2593, 0.2568

Rectangle

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



51.2813, 0.3829, 0.3196



51.2813, 0.3998, 0.3783



51.2813, 0.2463, 0.3330



51.2813, 0.2321, 0.2725

Sweetspot

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



51.2838, 0.3829, 0.3196



83.4151, 0.3286, 0.3263



53.3409, 0.3087, 0.2437



17.3943, 0.3312, 0.3260



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.



51.2838, 0.3829, 0.3196



46.7200, 0.4035, 0.3178



64.2397, 0.3801, 0.3632



17.2554, 0.3277, 0.3265



10.8317, 0.6276, 0.3231



1.0128, 0.6042, 0.3102

Inverse Universe

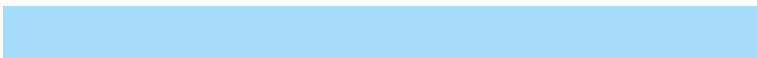
The Inverse Universe completely reimagines the original color for something new.



51.2838, 0.3829, 0.3196



46.7200, 0.4035, 0.3178



65.7405, 0.2603, 0.2919



17.2554, 0.3277, 0.3265



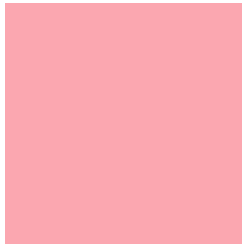
10.8317, 0.6276, 0.3231



1.0128, 0.6042, 0.3102

Previews

White Background



This preview shows how the Yxy color 51.2813, 0.3829, 0.3196 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 51.2813, 0.3829, 0.3196 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 51.2813, 0.3829, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 51.2813, 0.3829, 0.3196.



This preview shows how white text looks on a background with the Yxy color 51.2813, 0.3829, 0.3196.

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

51.2813, 0.3829, 0.3196

Protanopia

51.4954, 0.3176, 0.3303

Deuteranopia

51.3312, 0.3488, 0.3411



Tritanopia

51.4013, 0.3800, 0.3164

Trichromacy



Original Color

51.2813, 0.3829, 0.3196



Protanomaly

50.9555, 0.3399, 0.3255



Deuteranomaly

50.9943, 0.3611, 0.3326



Tritanomaly

51.3610, 0.3810, 0.3175

Monochromacy



Original Color

51.2813, 0.3829, 0.3196



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

52.1650, 0.3360, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2813, 0.3829, 0.3196 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(251, 167, 176)` looks like.

```
.text, #text, p{  
    color:rgb(251, 167, 176)  
}
```

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(251, 167, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 167, 176) }
```

Border

The CSS property to change the border of an element to Yxy 51.2813, 0.3829, 0.3196 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(251, 167, 176) }
```

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

```
.border{ border-color:rgb(251, 167, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 167, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 167, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 167, 176);  
box-shadow:4px 4px 4px 4px rgb(251, 167,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2813, 0.3829, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 167, 176) }
```

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

```
.background{ background-color: rgb(251,  
167, 176) }
```

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