

Converting Colors

$Y_{xy}(55.7764, 0.4103, 0.3827)$

Have a look what the booklet for
Yxy(55.7764, 0.4103, 0.3827)
contains.

Yxy(55.7764, 0.4103, 0.3827)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.7764, 0.4103, 0.3827)

Conversions

Conversions Part 1

Format	Color
Hex	F7B886
RGB	247, 184, 134
RGB Percent	97%, 72%, 53%
CMY	0.0314, 0.2784, 0.4745
CMYK	0.00, 0.25, 0.46, 0.03
HSL	27°, 88%, 75%
HSV	27°, 46%, 97%
XYZ	59.7989, 55.7764, 30.1691
YIQ	197.1370, 53.5980, -2.1940

Conversions

Conversions Part 2

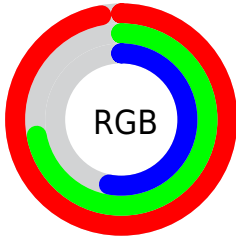
Format	Color
R _Y B	247, 224, 134
Decimal	16234630
CIE Lab	79.49, 16.86, 34.25
CIE LCh	79, 38.171, 63.789
Yxy	55.7764, 0.4103, 0.3827
Android (android.graphics.Color)	4294424710 (0xFFFF7B886)
YUV	197.1370, -31.1265, 43.7299
Hunter-Lab	74.6836, 12.2281, 28.3278

Details

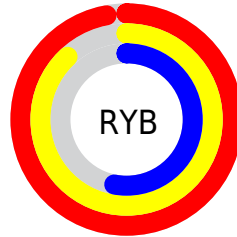
The Yxy color $55.7764, 0.4103, 0.3827$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $51.7083, 0.2404, 0.2668$, and the grayscale version is $56.0907, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.2110, 0.3561, 0.3812$, and $27.5641, 0.4343, 0.3931$ is the 20% darker color. If you saturate the color by 10%, you get $49.7238, 0.4391, 0.3931$, and if you desaturate by 10%, it is $62.5520, 0.3839, 0.3710$.

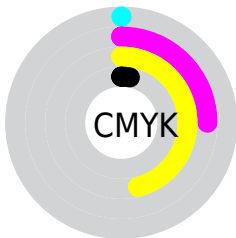
Distribution



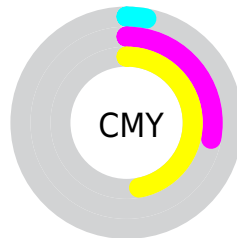
- Red (97%)
- Green (72%)
- Blue (53%)



- Red (97%)
- Yellow (88%)
- Blue (53%)



- Cyan (0%)
- Magenta (25%)
- Yellow (46%)
- Black (3%)



- Cyan (3%)
- Magenta (28%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7764, 0.4103, 0.3827 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 55.7764, 0.4103, 0.3827 by changing the saturation by 10% instead.


 55.7764, 0.4103,
0.3827


 55.7764, 0.4103,
0.3827


408.8483, 0.3631,
0.3588


 40.0237, 0.4214,
0.3877

 98.6776, 0.3936,
0.3747

 27.5570, 0.4352,
0.3934


 126.5948, 0.3872,
0.3715

 17.9920, 0.4526,
0.4001


 159.3357, 0.3817,
0.3687

 10.9442, 0.4751,
0.4075

197.2846, 0.3770,
0.3663

 6.0293, 0.5047,
0.4146

240.8259, 0.3728,
0.3641

 2.8629, 0.5653,
0.4347

290.3440, 0.3692,

 1.0606, 0.5933,

0.3621

0.4067

346.2234, 0.3660,
0.3604

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

55.7764, 0.4103,
0.3827

55.7764, 0.4103,
0.3827

49.7238, 0.4391,
0.3931

62.5520, 0.3839,
0.3710

44.3589, 0.4695,
0.4009

70.0680, 0.3604,
0.3588

39.6551, 0.4998,
0.4049

78.3511, 0.3398,
0.3468

35.5799, 0.5278,
0.4038

87.4241, 0.3219,
0.3353

■ 32.0965, 0.5515,
0.3972

■ 97.1468, 0.3078,
0.3269

■ 30.7772, 0.5604,
0.3933

■ 98.5124, 0.3078,
0.3290

Harmonies

Analogous

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



55.7764, 0.4085, 0.3440



55.7764, 0.4103, 0.3827



55.7764, 0.3844, 0.4119

Triad

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



55.7764, 0.4103, 0.3827



55.7764, 0.2492, 0.3509



55.7764, 0.2796, 0.2530

Complementary

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



55.7764, 0.4103, 0.3827



51.7083, 0.2404, 0.2668

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.



55.7764, 0.2420, 0.2499



55.7764, 0.4103, 0.3827



55.7764, 0.2255, 0.3018

Square

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



55.7764, 0.4103, 0.3827



55.7764, 0.2907, 0.3969



55.7764, 0.2231, 0.2661



55.7764, 0.3294, 0.2727

Rectangle

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



55.7764, 0.4103, 0.3827



55.7764, 0.3562, 0.4201



55.7764, 0.2231, 0.2661



55.7764, 0.2653, 0.2500

Sweetspot

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



55.7791, 0.4103, 0.3827



85.8645, 0.3365, 0.3448



40.9021, 0.3652, 0.2617



17.9445, 0.3406, 0.3473



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.



55.7791, 0.4103, 0.3827



53.8667, 0.4372, 0.3925



83.4951, 0.3838, 0.4350



17.6897, 0.3282, 0.3395



16.5513, 0.5575, 0.3955



1.6561, 0.5360, 0.4126

Inverse Universe

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



51.7083, 0.2404, 0.2668



48.9553, 0.2266, 0.2513



30.9916, 0.2274, 0.1946



17.4589, 0.2980, 0.3183



13.4042, 0.1826, 0.1773



1.3828, 0.1883, 0.1979

Previews

White Background



This preview shows how the Yxy color 55.7764, 0.4103, 0.3827 looks on a white background.

Color Contrast Check

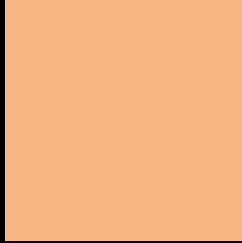
Large Text (above 18pt) WCAG AA × Fail

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 55.7764, 0.4103, 0.3827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

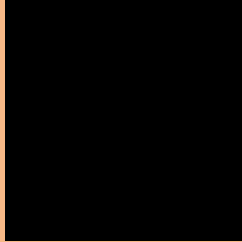
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.7764, 0.4103, 0.3827

Background



This preview shows how black text looks on a background with the Yxy color 55.7764, 0.4103, 0.3827.



This preview shows how white text looks on a background with the Yxy color 55.7764, 0.4103, 0.3827.

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

55.7764, 0.4103, 0.3827

Protanopia

55.9427, 0.3706, 0.3982

Deuteranopia

55.9215, 0.3990, 0.3913



Tritanopia

55.8574, 0.3680, 0.3154

Trichromacy



Original Color

55.7764, 0.4103, 0.3827

Protanomaly

55.5130, 0.3847, 0.3925

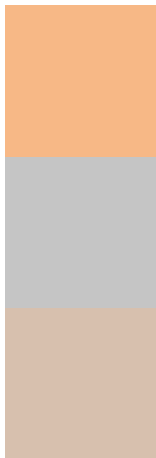
Deuteranomaly

55.7594, 0.4035, 0.3883

Tritanomaly

55.8688, 0.3833, 0.3399

Monochromacy



Original Color

55.7764, 0.4103, 0.3827

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

55.2023, 0.3460, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7764, 0.4103, 0.3827 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(247, 184, 134)` looks like.

```
.text, #text, p{  
    color:rgb(247, 184, 134)  
}
```

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(247, 184, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 184, 134) }
```

Border

The CSS property to change the border of an element to Yxy 55.7764, 0.4103, 0.3827 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(247, 184, 134) }
```

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

```
.border{ border-color:rgb(247, 184, 134) }
```

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

Here you see how a box with a 4 pixel rgb(247, 184, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 184, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 184, 134);  
box-shadow:4px 4px 4px 4px rgb(247, 184,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7764, 0.4103, 0.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 184, 134) }
```

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

```
.background{ background-color: rgb(247,  
184, 134) }
```

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