

Converting Colors

$Y_{xy}(103.0603, 0.5211, 0.3568)$

Have a look what the booklet for
Yxy(103.0603, 0.5211, 0.3568)
contains.

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Color

Yxy(58.1554, 0.4145, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	FFBA88
RGB	255, 186, 136
RGB Percent	100%, 73%, 53%
CMY	0.0000, 0.2706, 0.4666
CMYK	0.00, 0.27, 0.47, 0.00
HSL	25°, 100%, 77%
HSV	25°, 47%, 100%
XYZ	63.2522, 58.1554, 31.1912
YIQ	200.9310, 57.1740, -0.9220

Conversions

Conversions Part 2

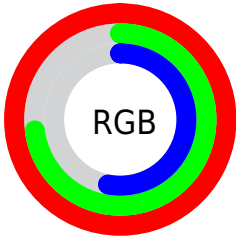
Format	Color
R _Y B	255, 222, 136
Decimal	16759432
CIE Lab	80.83, 19.18, 35.10
CIE LCh	81, 39.998, 61.342
Yxy	58.1554, 0.4145, 0.3811
Android (android.graphics.Color)	4294949512 (0xFFFFBA88)
YUV	200.9310, -32.0110, 47.4185
Hunter-Lab	76.2597, 14.5991, 29.1314

Details

The Yxy color **58.1554, 0.4145, 0.3811** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.1328, 0.2395, 0.2686**, and the grayscale version is **58.5367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4820, 0.3543, 0.3810**, and **29.1667, 0.4404, 0.3917** is the 20% darker color. If you saturate the color by 10%, you get **51.5993, 0.4444, 0.3908**, and if you desaturate by 10%, it is **65.5233, 0.3872, 0.3700**.

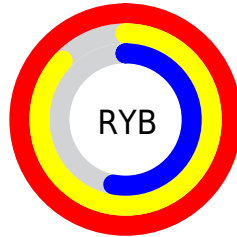
Distribution



Red (100%)

Green (73%)

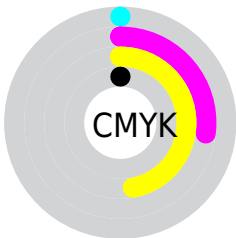
Blue (53%)



Red (100%)

Yellow (87%)

Blue (53%)

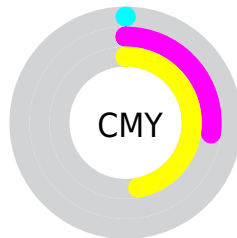


Cyan (0%)

Magenta (27%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1554, 0.4145, 0.3811 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 58.1554, 0.4145, 0.3811 by changing the saturation by 10% instead.


 58.1554, 0.4145,
0.3811


 58.1554, 0.4145,
0.3811


417.7647, 0.3656,
0.3584


 41.9336, 0.4259,
0.3857


 102.1491, 0.3973,
0.3736

 29.0493, 0.4400,
0.3910


 130.6898, 0.3907,
0.3706

 19.1181, 0.4578,
0.3969


 164.1056, 0.3850,
0.3679

 11.7557, 0.4806,
0.4033

202.7809, 0.3800,
0.3656

 6.5775, 0.5105,
0.4090

247.1001, 0.3757,
0.3635

 3.1993, 0.5681,
0.4244

297.4475, 0.3719,

 1.2367, 0.6010,

0.3616

0.3990

354.2076, 0.3686,
0.3599

0.0913, 0.8587,
0.1413

0.0000, 0.0000,
0.0000

58.1554, 0.4145,
0.3811

58.1554, 0.4145,
0.3811

51.5993, 0.4444,
0.3908

65.5233, 0.3872,
0.3700

45.8315, 0.4759,
0.3978

73.7415, 0.3629,
0.3584

40.8148, 0.5073,
0.4008

82.8353, 0.3417,
0.3470

36.5108, 0.5361,
0.3987

92.8313, 0.3234,
0.3360

■ 32.8761, 0.5601,
0.3911

100.0000, 0.3127,
0.3290

■ 31.7960, 0.5672,
0.3878

Harmonies

Analogous

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



58.1554, 0.4102, 0.3408



58.1554, 0.4145, 0.3811



58.1554, 0.3896, 0.4127

Triad

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



58.1554, 0.4145, 0.3811



58.1554, 0.2501, 0.3559



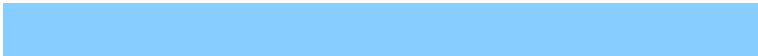
58.1554, 0.2747, 0.2498

Complementary

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



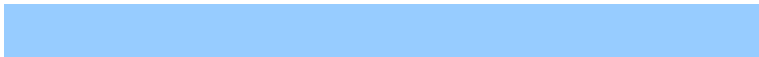
58.1554, 0.4145, 0.3811



56.1328, 0.2395, 0.2686

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.



58.1554, 0.2374, 0.2481



58.1554, 0.4145, 0.3811



58.1554, 0.2240, 0.3045

Square

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



58.1554, 0.4145, 0.3811



58.1554, 0.2938, 0.4024



58.1554, 0.2198, 0.2663



58.1554, 0.3255, 0.2688

Rectangle

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



58.1554, 0.4145, 0.3811



58.1554, 0.3613, 0.4229



58.1554, 0.2198, 0.2663



58.1554, 0.2604, 0.2472

Sweetspot

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



58.1526, 0.4145, 0.3811



85.4034, 0.3366, 0.3440



43.3027, 0.3647, 0.2584



17.8326, 0.3408, 0.3464



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.



58.1526, 0.4145, 0.3811



52.0062, 0.4424, 0.3902



88.3945, 0.3860, 0.4355



19.2408, 0.3284, 0.3390



16.8937, 0.5644, 0.3901



1.8552, 0.5441, 0.4062

Inverse Universe

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



56.1328, 0.2395, 0.2686



49.7191, 0.2261, 0.2538



32.9941, 0.2258, 0.1936



19.1280, 0.2979, 0.3188



15.1253, 0.1847, 0.1849



1.6889, 0.1897, 0.2029

Previews

White Background



This preview shows how the Yxy color 58.1554, 0.4145, 0.3811 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 58.1554, 0.4145, 0.3811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

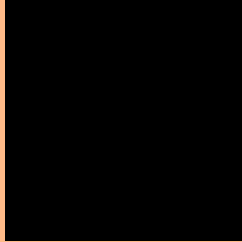
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.1554, 0.4145, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 58.1554, 0.4145, 0.3811.



This preview shows how white text looks on a background with the Yxy color 58.1554, 0.4145, 0.3811.

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

58.1554, 0.4145, 0.3811

Protanopia

58.4780, 0.3703, 0.3981

Deuteranopia

58.1493, 0.4002, 0.3912



Tritanopia

58.1580, 0.3669, 0.3166

Trichromacy



Original Color

58.1554, 0.4145, 0.3811

Protanomaly

58.3622, 0.3858, 0.3921

Deuteranomaly

58.1690, 0.4055, 0.3880

Tritanomaly

58.1055, 0.3848, 0.3408

Monochromacy



Original Color

58.1554, 0.4145, 0.3811

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.0263, 0.3478, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1554, 0.4145, 0.3811 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, 186, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 136)  
}
```

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, 186, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 136) }
```

Border

The CSS property to change the border of an element to Yxy 58.1554, 0.4145, 0.3811 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, 186, 136) }
```

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

```
.border{ border-color:rgb(255, 186, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1554, 0.4145, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 136) }
```

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

```
.background{ background-color: rgb(255,  
186, 136) }
```

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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