

Converting Colors

$Y_{xy}(97.4796, 0.5167, 0.3557)$

Have a look what the booklet for
Yxy(97.4796, 0.5167, 0.3557)
contains.

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Color

Yxy(56.9331, 0.4152, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	FFB789
RGB	255, 183, 137
RGB Percent	100%, 72%, 54%
CMY	0.0001, 0.2823, 0.4627
CMYK	0.00, 0.28, 0.46, 0.00
HSL	23°, 100%, 77%
HSV	23°, 46%, 100%
XYZ	62.6853, 56.9331, 31.3577
YIQ	199.2840, 57.6780, 0.9580

Conversions

Conversions Part 2

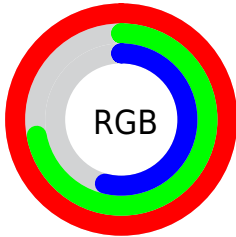
Format	Color
R _Y B	255, 212, 137
Decimal	16758665
CIE Lab	80.14, 20.82, 33.69
CIE LCh	80, 39.600, 58.283
Yxy	56.9331, 0.4152, 0.3771
Android (android.graphics.Color)	4294948745 (0xFFFFB789)
YUV	199.2840, -30.7060, 48.8629
Hunter-Lab	75.4540, 16.2487, 28.1776

Details

The Yxy color **56.9331, 0.4152, 0.3771** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.1333, 0.2409, 0.2737**, and the grayscale version is **57.4635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7546, 0.3544, 0.3772**, and **28.3729, 0.4420, 0.3867** is the 20% darker color. If you saturate the color by 10%, you get **50.2211, 0.4461, 0.3861**, and if you desaturate by 10%, it is **64.5328, 0.3872, 0.3668**.

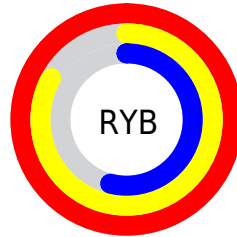
Distribution



Red (100%)

Green (72%)

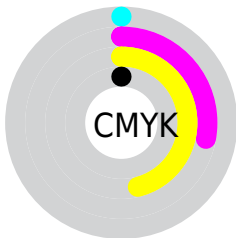
Blue (54%)



Red (100%)

Yellow (83%)

Blue (54%)

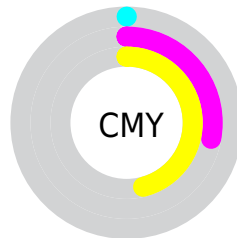


Cyan (0%)

Magenta (28%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (28%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9331, 0.4152, 0.3771 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 56.9331, 0.4152, 0.3771 by changing the saturation by 10% instead.

 56.9331, 0.4152,
0.3771

 56.9331, 0.4152,
0.3771


413.1986, 0.3656,
0.3562


 40.9515, 0.4268,
0.3813

 100.3676, 0.3977,
0.3703

 28.2812, 0.4413,
0.3860


 128.5893, 0.3910,
0.3675

 18.5378, 0.4596,
0.3914


 161.6598, 0.3852,
0.3650

 11.3367, 0.4833,
0.3969

199.9635, 0.3802,
0.3629

 6.2938, 0.5146,
0.4016

243.8849, 0.3759,
0.3609

 3.0246, 0.5749,
0.4151

293.8082, 0.3721,

 1.1446, 0.6125,

0.3592

0.3875

350.1180, 0.3687,
0.3576

0.0157, 0.9708,
0.0292

0.0000, 0.0000,
0.0000

56.9331, 0.4152,
0.3771

56.9331, 0.4152,
0.3771

50.2211, 0.4461,
0.3861

64.5328, 0.3872,
0.3668

44.3533, 0.4790,
0.3925

73.0451, 0.3625,
0.3560

39.2941, 0.5119,
0.3951

82.5038, 0.3412,
0.3453

35.0016, 0.5423,
0.3926

92.9385, 0.3228,
0.3351

■ 31.4282, 0.5676,
0.3847

99.9969, 0.3127,
0.3290

■ 30.2605, 0.5758,
0.3810

Harmonies

Analogous

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



56.9331, 0.4077, 0.3366



56.9331, 0.4152, 0.3771



56.9331, 0.3931, 0.4100

Triad

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



56.9331, 0.4152, 0.3771



56.9331, 0.2540, 0.3612



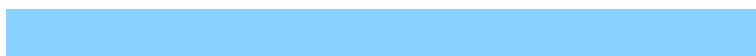
56.9331, 0.2703, 0.2490

Complementary

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



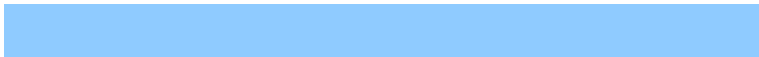
56.9331, 0.4152, 0.3771



58.1333, 0.2409, 0.2737

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.



56.9331, 0.2349, 0.2492



56.9331, 0.4152, 0.3771



56.9331, 0.2259, 0.3094

Square

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



56.9331, 0.4152, 0.3771



56.9331, 0.2990, 0.4057



56.9331, 0.2194, 0.2695



56.9331, 0.3201, 0.2664

Rectangle

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



56.9331, 0.4152, 0.3771



56.9331, 0.3659, 0.4218



56.9331, 0.2194, 0.2695



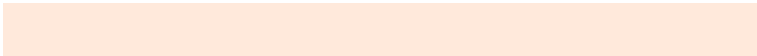
56.9331, 0.2565, 0.2470

Sweetspot

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



56.9359, 0.4152, 0.3771



84.7926, 0.3368, 0.3429



43.7942, 0.3601, 0.2552



17.6845, 0.3409, 0.3452



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.



56.9359, 0.4152, 0.3771



50.3950, 0.4453, 0.3859



86.1049, 0.3871, 0.4314



19.1486, 0.3285, 0.3383



16.0829, 0.5729, 0.3833



1.7708, 0.5518, 0.4000

Inverse Universe

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



58.1333, 0.2409, 0.2737



51.6725, 0.2273, 0.2595



34.6009, 0.2275, 0.1998



19.2225, 0.2979, 0.3195



16.4207, 0.1877, 0.1956



1.8114, 0.1923, 0.2124

Previews

White Background



This preview shows how the Yxy color 56.9331, 0.4152, 0.3771 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 56.9331, 0.4152, 0.3771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

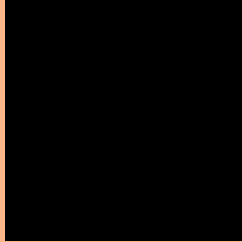
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.9331, 0.4152, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 56.9331, 0.4152, 0.3771.



This preview shows how white text looks on a background with the Yxy color 56.9331, 0.4152, 0.3771.

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

56.9331, 0.4152, 0.3771

Protanopia

57.1566, 0.3669, 0.3943

Deuteranopia

57.2163, 0.3973, 0.3897



Tritanopia

56.8185, 0.3703, 0.3166

Trichromacy



Original Color

56.9331, 0.4152, 0.3771



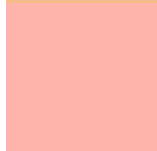
Protanomaly

56.7210, 0.3846, 0.3882



Deuteranomaly

56.9771, 0.4040, 0.3854



Tritanomaly

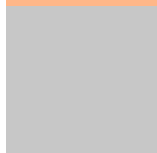
56.8428, 0.3868, 0.3387

Monochromacy



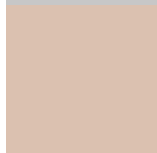
Original Color

56.9331, 0.4152, 0.3771



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

56.3346, 0.3476, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9331, 0.4152, 0.3771 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, 183, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 137)  
}
```

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, 183, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 137) }
```

Border

The CSS property to change the border of an element to Yxy 56.9331, 0.4152, 0.3771 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, 183, 137) }
```

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

```
.border{ border-color:rgb(255, 183, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 183, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 183, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 183, 137); box-shadow:4px 4px 4px 4px rgb(255, 183, 137) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9331, 0.4152, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 137) }
```

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

```
.background{ background-color: rgb(255,  
183, 137) }
```

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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