

Converting Colors

$Y_{xy}(75.9217, 0.4598, 0.3486)$

Have a look what the booklet for
Yxy(75.9217, 0.4598, 0.3486)
contains.

Yxy(57.5956, 0.3972, 0.3555)	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(57.5956, 0.3972, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	FFB79E
RGB	255, 183, 158
RGB Percent	100%, 72%, 62%
CMY	0.0000, 0.2824, 0.3804
CMYK	0.00, 0.28, 0.38, 0.00
HSL	15°, 100%, 81%
HSV	15°, 38%, 100%
XYZ	64.3515, 57.5956, 40.0658
YIQ	201.6780, 50.9370, 7.4890

Conversions

Conversions Part 2

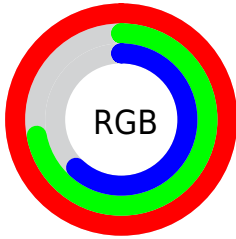
Format	Color
R _Y B	255, 192, 158
Decimal	16758686
CIE Lab	80.51, 23.04, 23.08
CIE LCh	81, 32.615, 45.055
Yxy	57.5956, 0.3972, 0.3555
Android (android.graphics.Color)	4294948766 (0xFFFFB79E)
YUV	201.6780, -21.5333, 46.7634
Hunter-Lab	75.8918, 18.5464, 21.8231

Details

The Yxy color **57.5956, 0.3972, 0.3555** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **71.0758, 0.2554, 0.3003**, and the grayscale version is **58.9606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7971, 0.3400, 0.3549**, and **28.7416, 0.4194, 0.3615** is the 20% darker color. If you saturate the color by 10%, you get **49.5149, 0.4296, 0.3622**, and if you desaturate by 10%, it is **66.9033, 0.3693, 0.3483**.

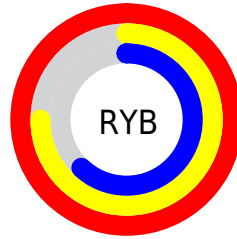
Distribution



Red (100%)

Green (72%)

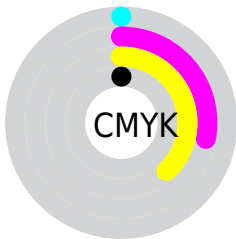
Blue (62%)



Red (100%)

Yellow (75%)

Blue (62%)

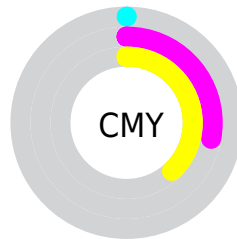


Cyan (0%)

Magenta (28%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (28%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.5956, 0.3972, 0.3555 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 57.5956, 0.3972, 0.3555 by changing the saturation by 10% instead.

 57.5956, 0.3972,
0.3555

 57.5956, 0.3972,
0.3555


415.6774, 0.3561,
0.3442

 41.4836, 0.4070,
0.3577


 101.3337, 0.3826,
0.3518

 28.6972, 0.4194,
0.3603

 129.7287, 0.3770,
0.3503

 18.8519, 0.4353,
0.3632


162.9867, 0.3722,
0.3490

 11.5633, 0.4565,
0.3663

201.4923, 0.3681,
0.3478

 6.4471, 0.4860,
0.3689

245.6297, 0.3645,
0.3468

 3.1188, 0.5289,
0.3694

295.7834, 0.3614,

 1.1941, 0.6225,

0.3458

0.3775

352.3379, 0.3586,
0.3450

0.0568, 0.9156,
0.0844

0.0000, 0.0000,
0.0000

57.5956, 0.3972,
0.3555

57.5956, 0.3972,
0.3555

49.5149, 0.4296,
0.3622

66.9033, 0.3693,
0.3483

42.6157, 0.4661,
0.3676

77.4952, 0.3458,
0.3411

36.8385, 0.5053,
0.3706

89.4156, 0.3261,
0.3342

32.1214, 0.5442,
0.3700

100.0000, 0.3127,
0.3290

■ 28.3956, 0.5787,
0.3651

■ 25.5812, 0.6048,
0.3563

■ 25.1258, 0.6092,
0.3545

Harmonies

Analogous

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



57.5956, 0.3799, 0.3211



57.5956, 0.3972, 0.3555



57.5956, 0.3898, 0.3862

Triad

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



57.5956, 0.3972, 0.3555



57.5956, 0.2798, 0.3728



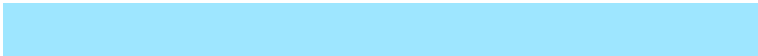
57.5956, 0.2629, 0.2603

Complementary

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



57.5956, 0.3972, 0.3555



71.0758, 0.2554, 0.3003

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.



57.5956, 0.2399, 0.2684



57.5956, 0.3972, 0.3555



57.5956, 0.2490, 0.3318

Square

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



57.5956, 0.3972, 0.3555



57.5956, 0.3207, 0.4005



57.5956, 0.2350, 0.2934



57.5956, 0.3001, 0.2685

Rectangle

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



57.5956, 0.3972, 0.3555



57.5956, 0.3726, 0.4003



57.5956, 0.2350, 0.2934



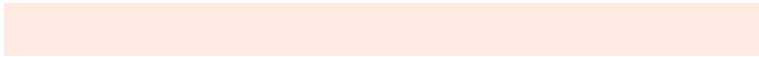
57.5956, 0.2534, 0.2611

Sweetspot

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



57.5931, 0.3972, 0.3555



85.7521, 0.3316, 0.3362



51.4639, 0.3374, 0.2559



18.0032, 0.3342, 0.3371



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.



57.5931, 0.3972, 0.3555



51.0692, 0.4226, 0.3609



80.7380, 0.3785, 0.4025



18.7481, 0.3288, 0.3352



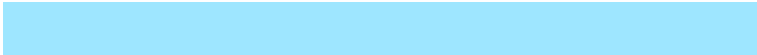
13.3309, 0.6064, 0.3567



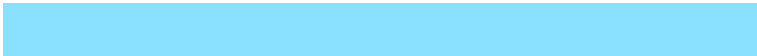
1.4652, 0.5846, 0.3740

Inverse Universe

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



71.0758, 0.2554, 0.3003



66.3189, 0.2447, 0.2932



48.0415, 0.2468, 0.2423



19.6421, 0.2980, 0.3227



23.1028, 0.2008, 0.2430



2.4257, 0.2039, 0.2539

Previews

White Background



This preview shows how the Yxy color 57.5956, 0.3972, 0.3555 looks on a white background.

Color Contrast Check

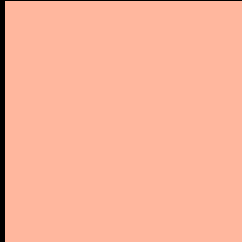
Large Text (above 18pt) WCAG AA × Fail

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 57.5956, 0.3972, 0.3555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

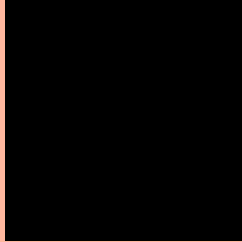
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.5956, 0.3972, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 57.5956, 0.3972, 0.3555.



This preview shows how white text looks on a background with the Yxy color 57.5956, 0.3972, 0.3555.

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

57.5956, 0.3972, 0.3555

Protanopia

57.9106, 0.3472, 0.3696

Deuteranopia

57.5920, 0.3772, 0.3695



Tritanopia

57.7083, 0.3680, 0.3166

Trichromacy



Original Color

57.5956, 0.3972, 0.3555

Protanomaly

57.5588, 0.3647, 0.3646

Deuteranomaly

57.7068, 0.3844, 0.3642

Tritanomaly

57.6030, 0.3784, 0.3302

Monochromacy



Original Color

57.5956, 0.3972, 0.3555

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

57.9475, 0.3409, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.5956, 0.3972, 0.3555 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 158) }
```

Border

The CSS property to change the border of an element to Yxy 57.5956, 0.3972, 0.3555 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, 158) }
```

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

```
.border{ border-color:rgb(255, 183, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 57.5956, 0.3972, 0.3555 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, 158) }
```

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

```
.background{ background-color: rgb(255,  
183, 158) }
```

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