

Converting Colors

$Y_{xy}(55.7527, 0.4346, 0.3978)$

Have a look what the booklet for
Yxy(55.7527, 0.4346, 0.3978)
contains.

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Color

Yxy(55.9308, 0.4344, 0.3983)

Conversions

Conversions Part 1

Format	Color
Hex	FFB672
RGB	255, 182, 114
RGB Percent	100%, 71%, 45%
CMY	0.0001, 0.2862, 0.5530
CMYK	0.00, 0.29, 0.55, 0.00
HSL	29°, 100%, 72%
HSV	29°, 55%, 100%
XYZ	61.0001, 55.9308, 23.4929
YIQ	196.0750, 65.3360, -5.6720

Conversions

Conversions Part 2

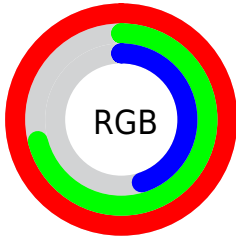
Format	Color
R _Y B	255, 245, 114
Decimal	16758386
CIE Lab	79.57, 19.33, 44.83
CIE LCh	80, 48.817, 66.675
Yxy	55.9308, 0.4344, 0.3983
Android (android.graphics.Color)	4294948466 (0xFFFFB672)
YUV	196.0750, -40.4630, 51.6772
Hunter-Lab	74.7869, 14.7169, 33.7260

Details

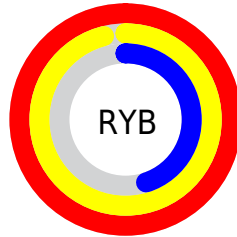
The Yxy color **55.9308, 0.4344, 0.3983** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.3132, 0.2246, 0.2433**, and the grayscale version is **55.4676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1991, 0.3702, 0.4003**, and **27.6728, 0.4634, 0.4100** is the 20% darker color. If you saturate the color by 10%, you get **50.2786, 0.4630, 0.4072**, and if you desaturate by 10%, it is **62.2596, 0.4070, 0.3869**.

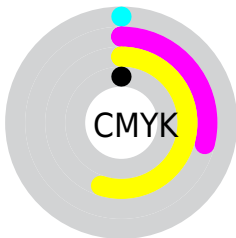
Distribution



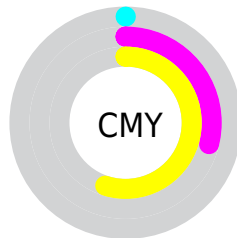
- Red (100%)
- Green (71%)
- Blue (45%)



- Red (100%)
- Yellow (96%)
- Blue (45%)



- Cyan (0%)
- Magenta (29%)
- Yellow (55%)
- Black (0%)




- Cyan (0%)
- Magenta (29%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9308, 0.4344, 0.3983 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 55.9308, 0.4344, 0.3983 by changing the saturation by 10% instead.


 55.9308, 0.4344,
0.3983


 55.9308, 0.4344,
0.3983

409.4307, 0.3763,
0.3685

 40.1474, 0.4476,
0.4040


 98.9034, 0.4142,
0.3887

 27.6535, 0.4636,
0.4103


 126.8614, 0.4063,
0.3848

 18.0646, 0.4833,
0.4169


 159.6465, 0.3996,
0.3813

 10.9964, 0.5075,
0.4231


197.6429, 0.3937,
0.3781

 6.0644, 0.5404,
0.4291

241.2352, 0.3885,
0.3754

 2.8843, 0.5758,
0.4242

290.8076, 0.3840,

 1.0716, 0.6068,

0.3729

0.3932

346.7446, 0.3799,
0.3706

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

55.9308, 0.4344,
0.3983

55.9308, 0.4344,
0.3983

50.2786, 0.4630,
0.4072

62.2596, 0.4070,
0.3869

45.2669, 0.4913,
0.4122

69.2825, 0.3816,
0.3741

40.8678, 0.5175,
0.4122

77.0262, 0.3589,
0.3609

37.0459, 0.5397,
0.4065

85.5133, 0.3387,
0.3478

■ 35.4312, 0.5488,
0.4024

■ 94.7654, 0.3211,
0.3353

99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



55.9308, 0.4371, 0.3502



55.9308, 0.4344, 0.3983



55.9308, 0.3974, 0.4358

Triad

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



55.9308, 0.4344, 0.3983



55.9308, 0.2284, 0.3499



55.9308, 0.2758, 0.2364

Complementary

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



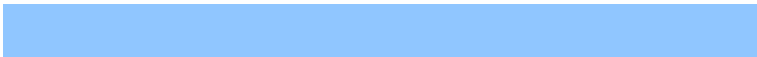
55.9308, 0.4344, 0.3983



46.3132, 0.2246, 0.2433

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.



55.9308, 0.2276, 0.2298



55.9308, 0.4344, 0.3983



55.9308, 0.2024, 0.2874

Square

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



55.9308, 0.4344, 0.3983



55.9308, 0.2778, 0.4130



55.9308, 0.2025, 0.2461



55.9308, 0.3397, 0.2622

Rectangle

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



55.9308, 0.4344, 0.3983



55.9308, 0.3602, 0.4465



55.9308, 0.2025, 0.2461



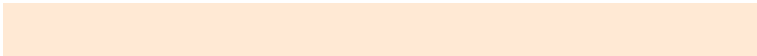
55.9308, 0.2574, 0.2319

Sweetspot

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



55.9336, 0.4344, 0.3983



84.0287, 0.3420, 0.3500



36.9687, 0.3871, 0.2535



17.6132, 0.3459, 0.3526



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.



55.9336, 0.4344, 0.3983



49.9140, 0.4650, 0.4077



91.0198, 0.3949, 0.4576



19.4335, 0.3282, 0.3405



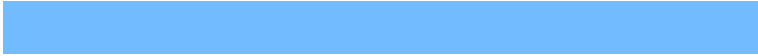
18.8117, 0.5462, 0.4045



2.0491, 0.5279, 0.4190

Inverse Universe

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



46.3132, 0.2246, 0.2433



39.4242, 0.2096, 0.2231



23.9120, 0.2062, 0.1563



18.9328, 0.2979, 0.3172



12.6906, 0.1787, 0.1633



1.4545, 0.1843, 0.1833

Previews

White Background



This preview shows how the Yxy color 55.9308, 0.4344, 0.3983 looks on a white background.

Color Contrast Check

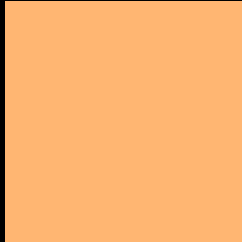
Large Text (above 18pt) WCAG AA × Fail

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 55.9308, 0.4344, 0.3983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

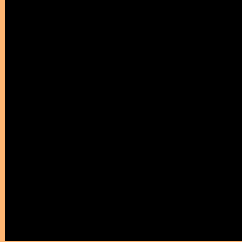
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.9308, 0.4344, 0.3983

Background



This preview shows how black text looks on a background with the Yxy color 55.9308, 0.4344, 0.3983.



This preview shows how white text looks on a background with the Yxy color 55.9308, 0.4344, 0.3983.

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

55.9308, 0.4344, 0.3983

Protanopia

56.3432, 0.3869, 0.4200

Deuteranopia

55.8595, 0.4194, 0.4093



Tritanopia

55.9415, 0.3726, 0.3166

Trichromacy



Original Color

55.9308, 0.4344, 0.3983

Protanomaly

55.8303, 0.4037, 0.4117

Deuteranomaly

55.9029, 0.4249, 0.4058

Tritanomaly

55.6740, 0.3965, 0.3471

Monochromacy



Original Color

55.9308, 0.4344, 0.3983

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

54.7665, 0.3545, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9308, 0.4344, 0.3983 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, 182, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 114)  
}
```

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, 182, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 114) }
```

Border

The CSS property to change the border of an element to Yxy 55.9308, 0.4344, 0.3983 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, 182, 114) }
```

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

```
.border{ border-color:rgb(255, 182, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 182, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9308, 0.4344, 0.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 114) }
```

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

```
.background{ background-color: rgb(255,  
182, 114) }
```

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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