

Converting Colors

$Y_{xy}(47.8068, 0.4538, 0.3944)$

Have a look what the booklet for
Yxy(47.8068, 0.4538, 0.3944)
contains.

Yxy(47.7950, 0.4539, 0.3944)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.7950, 0.4539, 0.3944)

Conversions

Conversions Part 1

Format	Color
Hex	FAA464
RGB	250, 164, 100
RGB Percent	98%, 64%, 39%
CMY	0.0195, 0.3569, 0.6078
CMYK	0.00, 0.34, 0.60, 0.02
HSL	26°, 94%, 69%
HSV	26°, 60%, 98%
XYZ	55.0055, 47.7950, 18.3836
YIQ	182.4180, 71.8000, -1.6720

Conversions

Conversions Part 2

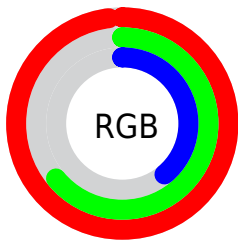
Format	Color
R _Y B	250, 212, 100
Decimal	16426084
CIE Lab	74.70, 25.74, 45.83
CIE LCh	75, 52.565, 60.679
Yxy	47.7950, 0.4539, 0.3944
Android (android.graphics.Color)	4294616164 (0xFFFAA464)
YUV	182.4180, -40.6321, 59.2694
Hunter-Lab	69.1339, 21.0367, 32.6278

Details

The Yxy color **47.7950, 0.4539, 0.3944** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.7425, 0.2205, 0.2461**, and the grayscale version is **47.2173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1900, 0.3870, 0.3975**, and **22.6374, 0.4890, 0.4047** is the 20% darker color. If you saturate the color by 10%, you get **42.5398, 0.4852, 0.4004**, and if you desaturate by 10%, it is **53.7820, 0.4236, 0.3853**.

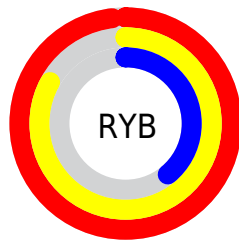
Distribution



Red (98%)

Green (64%)

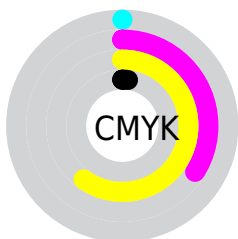
Blue (39%)



Red (98%)

Yellow (83%)

Blue (39%)

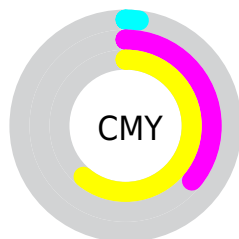


Cyan (0%)

Magenta (34%)

Yellow (60%)

Black (2%)



Cyan (2%)


Magenta (36%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7950, 0.4539, 0.3944 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 47.7950, 0.4539, 0.3944 by changing the saturation by 10% instead.


 47.7950, 0.4539,
0.3944


 47.7950, 0.4539,
0.3944


377.9790, 0.3848,
0.3672

 33.6646, 0.4699,
0.3991


 86.8991, 0.4296,
0.3860


 22.6360, 0.4894,
0.4037


 112.6416, 0.4202,
0.3824

 14.3250, 0.5135,
0.4077


 143.0235, 0.4121,
0.3792

 8.3470, 0.5430,
0.4091

 178.4293, 0.4051,
0.3763

 4.3178, 0.5890,
0.4110

219.2433, 0.3991,
0.3736

 1.8529, 0.6183,
0.3817

265.8500, 0.3937,

 0.5198, 0.6896,

0.3713

0.3104

318.6338, 0.3890,
0.3691

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.7950, 0.4539,
0.3944

47.7950, 0.4539,
0.3944

42.5398, 0.4852,
0.4004

53.7820, 0.4236,
0.3853

37.9760, 0.5157,
0.4020


60.5241, 0.3956,
0.3745


34.0690, 0.5428,
0.3982


68.0522, 0.3704,
0.3628

30.7702, 0.5652,
0.3895

76.3930, 0.3484,
0.3511

 85.5719, 0.3292,
0.3397

 95.6130, 0.3127,
0.3290

 99.0676, 0.3096,
0.3290

Harmonies

Analogous

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



47.7950, 0.4491, 0.3403



47.7950, 0.4539, 0.3944



47.7950, 0.4177, 0.4416

Triad

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



47.7950, 0.4539, 0.3944



47.7950, 0.2267, 0.3679



47.7950, 0.2582, 0.2226

Complementary

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



47.7950, 0.4539, 0.3944



44.7425, 0.2205, 0.2461

Split Complementary

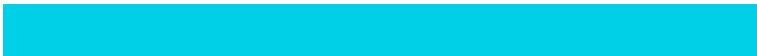
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.7950, 0.2098, 0.2197



47.7950, 0.4539, 0.3944



47.7950, 0.1929, 0.2934

Square

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



47.7950, 0.4539, 0.3944



47.7950, 0.2857, 0.4369



47.7950, 0.1876, 0.2422



47.7950, 0.3277, 0.2472

Rectangle

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



47.7950, 0.4539, 0.3944



47.7950, 0.3782, 0.4604



47.7950, 0.1876, 0.2422



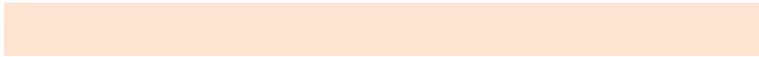
47.7950, 0.2393, 0.2190

Sweetspot

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



47.7974, 0.4539, 0.3944



81.7298, 0.3443, 0.3488



33.0528, 0.3871, 0.2413



16.9197, 0.3503, 0.3522



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.



47.7974, 0.4539, 0.3944



43.4429, 0.4917, 0.4011



82.1166, 0.4045, 0.4603



18.4425, 0.3283, 0.3392



16.5904, 0.5623, 0.3917



1.7420, 0.5413, 0.4084

Inverse Universe

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



44.7425, 0.2205, 0.2461



39.8935, 0.2057, 0.2259



21.3133, 0.1987, 0.1493



18.2958, 0.2980, 0.3186



14.4298, 0.1841, 0.1827



1.5467, 0.1894, 0.2018

Previews

White Background



This preview shows how the Yxy color 47.7950, 0.4539, 0.3944 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 47.7950, 0.4539, 0.3944 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 47.7950, 0.4539, 0.3944

Background



This preview shows how black text looks on a background with the Yxy color 47.7950, 0.4539, 0.3944.



This preview shows how white text looks on a background with the Yxy color 47.7950, 0.4539, 0.3944.

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

47.7950, 0.4539, 0.3944

Protanopia

47.8991, 0.3911, 0.4243

Deuteranopia

48.0825, 0.4260, 0.4176



Tritanopia

47.8270, 0.3992, 0.3177

Trichromacy



Original Color

47.7950, 0.4539, 0.3944

Protanomaly

47.5038, 0.4135, 0.4141

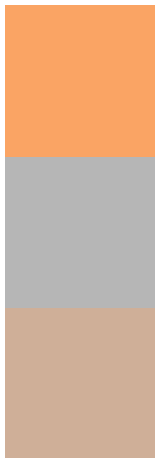
Deuteranomaly

48.0491, 0.4363, 0.4093

Tritanomaly

47.6621, 0.4203, 0.3462

Monochromacy



Original Color

47.7950, 0.4539, 0.3944

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.1923, 0.3620, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7950, 0.4539, 0.3944 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(250, 164, 100)` looks like.

```
.text, #text, p{  
    color:rgb(250, 164, 100)  
}
```

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(250, 164, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 164, 100) }
```

Border

The CSS property to change the border of an element to Yxy 47.7950, 0.4539, 0.3944 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(250, 164, 100) }
```

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

```
.border{ border-color:rgb(250, 164, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 164, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 164, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 164, 100);  
box-shadow:4px 4px 4px 4px rgb(250, 164,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7950, 0.4539, 0.3944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 164, 100) }
```

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

```
.background{ background-color: rgb(250,  
164, 100) }
```

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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