

Converting Colors

$Y_{xy}(47.9895, 0.4549, 0.3888)$

Have a look what the booklet for
Yxy(47.9895, 0.4549, 0.3888)
contains.

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Color

Yxy(48.0765, 0.4539, 0.3890)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | FDA368 |
| RGB | 253, 163, 104 |
| RGB Percent | 99%, 64%, 41% |
| CMY | 0.0079, 0.3607, 0.5922 |
| CMYK | 0.00, 0.36, 0.59, 0.01 |
| HSL | 24°, 97%, 70% |
| HSV | 24°, 59%, 99% |
| XYZ | 56.0975, 48.0765, 19.4160 |
| YIQ | 183.1840, 72.5790, 0.7310 |

Conversions

Conversions Part 2

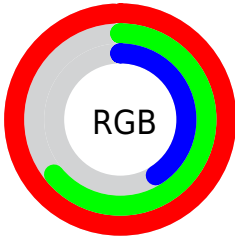
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 253, 202, 104 |
| Decimal | 16622440 |
| CIE Lab | 74.87, 27.71, 44.11 |
| CIE LCh | 75, 52.091, 57.856 |
| Yxy | 48.0765, 0.4539, 0.3890 |
| Android (android.graphics.Color) | 4294812520 (0xFFFDA368) |
| YUV | 183.1840, -39.0377, 61.2286 |
| Hunter-Lab | 69.3372, 23.0758, 31.9335 |

Details

The Yxy color **48.0765, 0.4539, 0.3890** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.5925, 0.2232, 0.2540**, and the grayscale version is **47.6498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8031, 0.3846, 0.3926**, and **22.8512, 0.4889, 0.3974** is the 20% darker color. If you saturate the color by 10%, you get **42.5383, 0.4867, 0.3947**, and if you desaturate by 10%, it is **54.4289, 0.4226, 0.3804**.

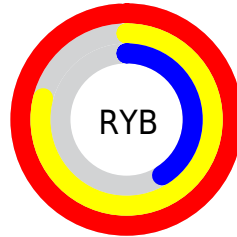
Distribution



Red (99%)

Green (64%)

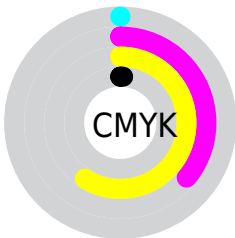
Blue (41%)



Red (99%)

Yellow (79%)

Blue (41%)

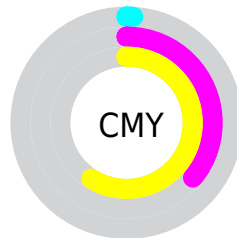


Cyan (0%)

Magenta (36%)

Yellow (59%)

Black (1%)



Cyan (1%)


Magenta (36%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0765, 0.4539, 0.3890 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 48.0765, 0.4539, 0.3890 by changing the saturation by 10% instead.

 48.0765, 0.4539,
0.3890


 48.0765, 0.4539,
0.3890


379.0953, 0.3846,
0.3644

 33.8875, 0.4701,
0.3931


 87.3183, 0.4294,
0.3815


 22.8072, 0.4899,
0.3972


 113.1399, 0.4200,
0.3782

 14.4512, 0.5145,
0.4005


 143.6077, 0.4119,
0.3753

 8.4351, 0.5450,
0.4013

 179.1063, 0.4049,
0.3726

 4.3746, 0.5957,
0.4043

220.0199, 0.3989,
0.3703

 1.8853, 0.6264,
0.3736

266.7330, 0.3935,

 0.5395, 0.6967,

0.3681

0.3033

319.6300, 0.3888,
0.3661

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.0765, 0.4539,
0.3890

48.0765, 0.4539,
0.3890

42.5383, 0.4867,
0.3947

54.4289, 0.4226,
0.3804

37.7695, 0.5189,
0.3962

61.6228, 0.3939,
0.3702

33.7310, 0.5479,
0.3924

69.6928, 0.3685,
0.3593

30.3719, 0.5715,
0.3835

78.6693, 0.3464,
0.3484

■ 30.0375, 0.5740,
0.3825

■ 88.5812, 0.3273,
0.3378

99.4059, 0.3115,
0.3287

99.6185, 0.3115,
0.3290

Harmonies

Analogous

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



48.0765, 0.4448, 0.3353



48.0765, 0.4539, 0.3890



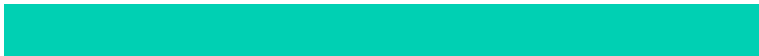
48.0765, 0.4215, 0.4369

Triad

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



48.0765, 0.4539, 0.3890



48.0765, 0.2322, 0.3748



48.0765, 0.2532, 0.2223

Complementary

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



48.0765, 0.4539, 0.3890



48.5925, 0.2232, 0.2540

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.



48.0765, 0.2076, 0.2217



48.0765, 0.4539, 0.3890



48.0765, 0.1960, 0.3001

Square

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



48.0765, 0.4539, 0.3890



48.0765, 0.2924, 0.4403



48.0765, 0.1881, 0.2467



48.0765, 0.3205, 0.2449

Rectangle

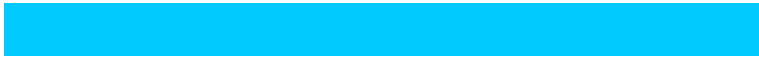
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.0765, 0.4539, 0.3890



48.0765, 0.3836, 0.4573



48.0765, 0.1881, 0.2467



48.0765, 0.2352, 0.2195

Sweetspot

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



48.0789, 0.4539, 0.3890



80.9632, 0.3446, 0.3474



34.7560, 0.3792, 0.2379



16.7339, 0.3506, 0.3505



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.



48.0789, 0.4539, 0.3890



42.2142, 0.4937, 0.3954



81.6361, 0.4059, 0.4547



19.1679, 0.3284, 0.3385



16.2468, 0.5711, 0.3847



1.7880, 0.5502, 0.4013

Inverse Universe

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



48.5925, 0.2232, 0.2540



42.6507, 0.2088, 0.2352



23.7976, 0.2021, 0.1586



19.2027, 0.2979, 0.3194



16.1426, 0.1871, 0.1934



1.7852, 0.1918, 0.2104

Previews

White Background



This preview shows how the Yxy color 48.0765, 0.4539, 0.3890 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 48.0765, 0.4539, 0.3890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

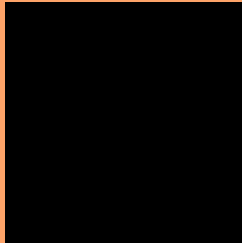
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0765, 0.4539, 0.3890

Background



This preview shows how black text looks on a background with the Yxy color 48.0765, 0.4539, 0.3890.



This preview shows how white text looks on a background with the Yxy color 48.0765, 0.4539, 0.3890.

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

48.0765, 0.4539, 0.3890

Protanopia

48.4243, 0.3868, 0.4197

Deuteranopia

48.1590, 0.4230, 0.4137



Tritanopia

48.2011, 0.3978, 0.3177

Trichromacy



Original Color

48.0765, 0.4539, 0.3890

Protanomaly

47.9206, 0.4114, 0.4082

Deuteranomaly

47.9180, 0.4348, 0.4041

Tritanomaly

47.9114, 0.4193, 0.3441

Monochromacy



Original Color

48.0765, 0.4539, 0.3890

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.7937, 0.3609, 0.3565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0765, 0.4539, 0.3890 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(253, 163, 104)` looks like.

```
.text, #text, p{  
    color:rgb(253, 163, 104)  
}
```

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(253, 163, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 163, 104) }
```

Border

The CSS property to change the border of an element to Yxy 48.0765, 0.4539, 0.3890 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(253, 163, 104) }
```

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

```
.border{ border-color:rgb(253, 163, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 163, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 163, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 163, 104);  
box-shadow:4px 4px 4px 4px rgb(253, 163,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0765, 0.4539, 0.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 163, 104) }
```

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

```
.background{ background-color: rgb(253,  
163, 104) }
```

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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