

Converting Colors

$Y_{xy}(40.2976, 0.4845, 0.3730)$

Have a look what the booklet for
Yxy(40.2976, 0.4845, 0.3730)
contains.

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Color

Yxy(40.2273, 0.4848, 0.3728)

Conversions

Conversions Part 1

Format	Color
Hex	FF8A5D
RGB	255, 138, 93
RGB Percent	100%, 54%, 36%
CMY	0.0000, 0.4589, 0.6352
CMYK	0.00, 0.46, 0.64, 0.00
HSL	17°, 100%, 68%
HSV	17°, 64%, 100%
XYZ	52.3128, 40.2273, 15.3658
YIQ	167.8530, 84.1770, 10.8090

Conversions

Conversions Part 2

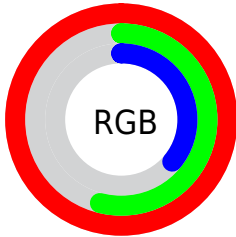
Format	Color
RYB	255, 155, 93
Decimal	16747101
CIELab	69.63, 40.66, 43.51
CIELCh	70, 59.552, 46.943
Yxy	40.2273, 0.4848, 0.3728
Android (android.graphics.Color)	4294937181 (0xFFFF8A5D)
YUV	167.8530, -36.9025, 76.4279
Hunter-Lab	63.4250, 36.2325, 30.0335

Details

The Yxy color **40.2273, 0.4848, 0.3728** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **55.6530, 0.2234, 0.2725**, and the grayscale version is **39.2316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4135, 0.4045, 0.3801**, and **18.1825, 0.5306, 0.3741** is the 20% darker color. If you saturate the color by 10%, you get **35.0006, 0.5233, 0.3743**, and if you desaturate by 10%, it is **46.4942, 0.4474, 0.3682**.

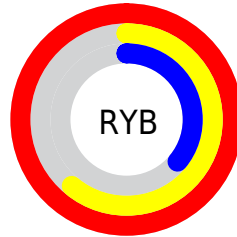
Distribution



Red (100%)

Green (54%)

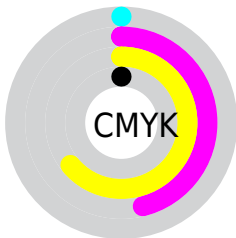
Blue (36%)



Red (100%)

Yellow (61%)

Blue (36%)

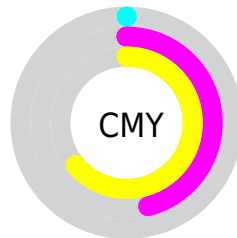


Cyan (0%)

Magenta (46%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (46%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2273, 0.4848, 0.3728 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 40.2273, 0.4848, 0.3728 by changing the saturation by 10% instead.


 40.2273, 0.4848,
0.3728


 40.2273, 0.4848,
0.3728


347.0807, 0.3978,
0.3577


 27.7158, 0.5056,
0.3739


 75.5095, 0.4536,
0.3692


 18.1115, 0.5314,
0.3737


 99.0490, 0.4417,
0.3673

 11.0301, 0.5636,
0.3706


 127.0333, 0.4316,
0.3654

 6.0871, 0.6057,
0.3627

 159.8468, 0.4229,
0.3636

 2.8981, 0.6579,
0.3421

197.8739, 0.4153,
0.3620

 1.0788, 0.7087,
0.2913

241.4990, 0.4087,

 0.0000, 1.0000,

0.3604

0.0000

291.1065, 0.4029,
0.3590

■ 0.0000, 0.0000,
0.0000

■ 40.2273, 0.4848,
0.3728

■ 40.2273, 0.4848,
0.3728

■ 35.0006, 0.5233,
0.3743

■ 46.4942, 0.4474,
0.3682

■ 30.7633, 0.5596,
0.3716

■ 53.8668, 0.4133,
0.3616

■ 27.4439, 0.5896,
0.3644

■ 62.3933, 0.3834,
0.3540

■ 25.7411, 0.6047,
0.3580

■ 72.1216, 0.3579,
0.3462

■ 83.0968, 0.3364,
0.3386

95.3618, 0.3183,
0.3314

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



40.2273, 0.4554, 0.3115



40.2273, 0.4848, 0.3728



40.2273, 0.4597, 0.4344

Triad

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



40.2273, 0.4848, 0.3728



40.2273, 0.2384, 0.4190



40.2273, 0.2187, 0.2004

Complementary

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



40.2273, 0.4848, 0.3728



55.6530, 0.2234, 0.2725

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.



40.2273, 0.1774, 0.2086



40.2273, 0.4848, 0.3728



40.2273, 0.1858, 0.3232

Square

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



40.2273, 0.4848, 0.3728



40.2273, 0.3157, 0.4839



40.2273, 0.1661, 0.2480



40.2273, 0.2895, 0.2180

Rectangle

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



40.2273, 0.4848, 0.3728



40.2273, 0.4205, 0.4693



40.2273, 0.1661, 0.2480



40.2273, 0.2015, 0.2001

Sweetspot

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



40.2239, 0.4848, 0.3728



76.9305, 0.3477, 0.3427



33.8343, 0.3642, 0.2162



15.8092, 0.3541, 0.3449



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.



40.2239, 0.4848, 0.3728



33.8624, 0.5327, 0.3741



71.7808, 0.4242, 0.4473



18.8079, 0.3287, 0.3357



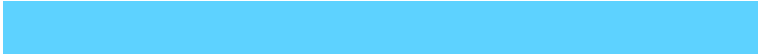
13.6642, 0.6019, 0.3603



1.5046, 0.5799, 0.3778

Inverse Universe

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



55.6530, 0.2234, 0.2725



50.0812, 0.2119, 0.2593



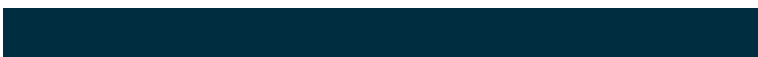
25.7292, 0.1986, 0.1667



19.5786, 0.2980, 0.3222



21.9926, 0.1989, 0.2359



2.3252, 0.2022, 0.2478

Previews

White Background



This preview shows how the Yxy color 40.2273, 0.4848, 0.3728 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 40.2273, 0.4848, 0.3728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

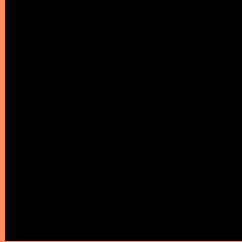
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2273, 0.4848, 0.3728

Background



This preview shows how black text looks on a background with the Yxy color 40.2273, 0.4848, 0.3728.



This preview shows how white text looks on a background with the Yxy color 40.2273, 0.4848, 0.3728.

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

40.2273, 0.4848, 0.3728

Protanopia

40.5848, 0.3845, 0.4176

Deuteranopia

40.1006, 0.4273, 0.4182



Tritanopia

40.2934, 0.4347, 0.3201

Trichromacy



Original Color

40.2273, 0.4848, 0.3728

Protanomaly

39.5847, 0.4205, 0.4000

Deuteranomaly

39.6894, 0.4493, 0.3998

Tritanomaly

40.0686, 0.4543, 0.3396

Monochromacy



Original Color

40.2273, 0.4848, 0.3728

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.3164, 0.3717, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2273, 0.4848, 0.3728 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, 138, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 93)  
}
```

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, 138, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 93) }
```

Border

The CSS property to change the border of an element to Yxy 40.2273, 0.4848, 0.3728 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, 138, 93) }
```

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

```
.border{ border-color:rgb(255, 138, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 138, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2273, 0.4848, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 93) }
```

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

```
.background{ background-color: rgb(255,  
138, 93) }
```

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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