

Converting Colors

$Y_{xy}(43.2948, 0.4823, 0.3820)$

Have a look what the booklet for
Yxy(43.2948, 0.4823, 0.3820)
contains.

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Color

Yxy(42.5731, 0.4799, 0.3826)

Conversions

Conversions Part 1

Format	Color
Hex	FF925B
RGB	255, 146, 91
RGB Percent	100%, 57%, 36%
CMY	0.0001, 0.4274, 0.6431
CMYK	0.00, 0.43, 0.64, 0.00
HSL	20°, 100%, 68%
HSV	20°, 64%, 100%
XYZ	53.4000, 42.5731, 15.3001
YIQ	172.3210, 82.6190, 6.0030

Conversions

Conversions Part 2

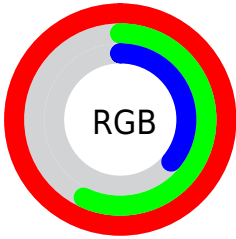
Format	Color
R_{YB}	255, 174, 91
Decimal	16749147
CIE _{Lab}	71.26, 36.44, 46.48
CIE _{LCh}	71, 59.058, 51.905
Yxy	42.5731, 0.4799, 0.3826
Android (android.graphics.Color)	4294939227 (0xFFFF925B)
YUV	172.3210, -40.0913, 72.5095
Hunter-Lab	65.2481, 31.9029, 31.7707

Details

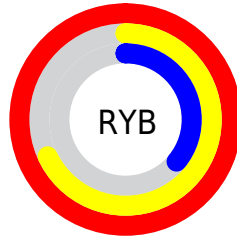
The Yxy color **42.5731, 0.4799, 0.3826** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **50.7274, 0.2196, 0.2590**, and the grayscale version is **41.6042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0165, 0.4015, 0.3891**, and **19.5100, 0.5232, 0.3864** is the 20% darker color. If you saturate the color by 10%, you get **37.3647, 0.5157, 0.3849**, and if you desaturate by 10%, it is **48.7094, 0.4449, 0.3768**.

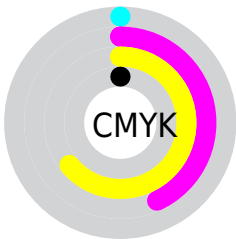
Distribution



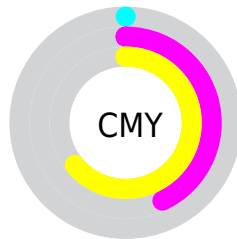
- Red (100%)
- Green (57%)
- Blue (36%)



- Red (100%)
- Yellow (68%)
- Blue (36%)



- Cyan (0%)
- Magenta (43%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5731, 0.4799, 0.3826 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 42.5731, 0.4799, 0.3826 by changing the saturation by 10% instead.

 42.5731, 0.4799,
0.3826

 42.5731, 0.4799,
0.3826


356.8532, 0.3965,
0.3627


 29.5503, 0.4995,
0.3849


 79.0663, 0.4503,
0.3773


 19.4975, 0.5234,
0.3861


 103.3054, 0.4389,
0.3747

 12.0303, 0.5530,
0.3849


 132.0521, 0.4292,
0.3723

 6.7643, 0.5912,
0.3797

 165.6908, 0.4208,
0.3701

 3.3152, 0.6370,
0.3630

204.6059, 0.4135,
0.3680

 1.2984, 0.6812,
0.3188

249.1817, 0.4071,

 0.1400, 0.8810,

0.3661

0.1190

299.8027, 0.4015,
0.3643

■ 0.0000, 0.0000,
0.0000

■ 42.5731, 0.4799,
0.3826

■ 42.5731, 0.4799,
0.3826

■ 37.3647, 0.5157,
0.3849

■ 48.7094, 0.4449,
0.3768

■ 33.0277, 0.5493,
0.3826

■ 55.8124, 0.4125,
0.3689


■ 29.5085, 0.5774,
0.3751

■ 63.9265, 0.3838,
0.3598

■ 27.8405, 0.5906,
0.3693

■ 73.0910, 0.3589,
0.3505

■ 83.3432, 0.3376,
0.3413

 94.7185, 0.3196,
0.3326

99.9949, 0.3127,
0.3290

Harmonies

Analogous

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



42.5731, 0.4601, 0.3219



42.5731, 0.4799, 0.3826



42.5731, 0.4483, 0.4417

Triad

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



42.5731, 0.4799, 0.3826



42.5731, 0.2299, 0.4015



42.5731, 0.2305, 0.2044

Complementary

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



42.5731, 0.4799, 0.3826



50.7274, 0.2196, 0.2590

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.



42.5731, 0.1850, 0.2081



42.5731, 0.4799, 0.3826



42.5731, 0.1833, 0.3093

Square

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



42.5731, 0.4799, 0.3826



42.5731, 0.3027, 0.4731



42.5731, 0.1690, 0.2414



42.5731, 0.3040, 0.2255

Rectangle

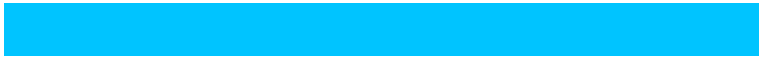
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



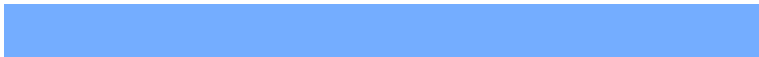
42.5731, 0.4799, 0.3826



42.5731, 0.4070, 0.4727



42.5731, 0.1690, 0.2414



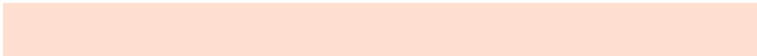
42.5731, 0.2120, 0.2027

Sweetspot

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



42.5753, 0.4799, 0.3826



78.4159, 0.3472, 0.3456



32.9219, 0.3781, 0.2245



16.1641, 0.3534, 0.3482



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.



42.5753, 0.4799, 0.3826



36.1228, 0.5251, 0.3848



77.3015, 0.4183, 0.4570



18.9830, 0.3286, 0.3370



14.7956, 0.5876, 0.3716



1.6325, 0.5657, 0.3891

Inverse Universe

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



50.7274, 0.2196, 0.2590



44.5823, 0.2070, 0.2425



22.4768, 0.1941, 0.1511



19.3942, 0.2980, 0.3208



18.9702, 0.1931, 0.2151



2.0487, 0.1971, 0.2296

Previews

White Background



This preview shows how the Yxy color 42.5731, 0.4799, 0.3826 looks on a white background.

Color Contrast Check

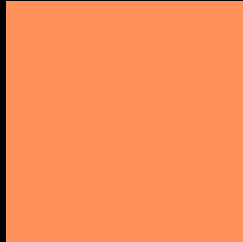
Large Text (above 18pt) WCAG AA × Fail

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 42.5731, 0.4799, 0.3826 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 42.5731, 0.4799, 0.3826

Background



This preview shows how black text looks on a background with the Yxy color 42.5731, 0.4799, 0.3826.



This preview shows how white text looks on a background with the Yxy color 42.5731, 0.4799, 0.3826.

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

42.5731, 0.4799, 0.3826

Protanopia

42.8060, 0.3914, 0.4250

Deuteranopia

42.7564, 0.4307, 0.4232



Tritanopia

42.5118, 0.4235, 0.3199

Trichromacy



Original Color

42.5731, 0.4799, 0.3826

Protanomaly

41.8611, 0.4243, 0.4087

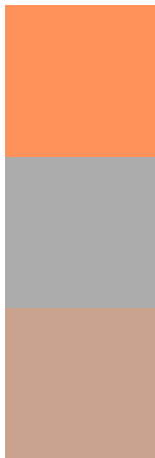
Deuteranomaly

42.3238, 0.4497, 0.4068

Tritanomaly

42.4899, 0.4452, 0.3438

Monochromacy



Original Color

42.5731, 0.4799, 0.3826

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.7341, 0.3696, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5731, 0.4799, 0.3826 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, 146, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 91)  
}
```

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, 146, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 91) }
```

Border

The CSS property to change the border of an element to Yxy 42.5731, 0.4799, 0.3826 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, 146, 91) }
```

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

```
.border{ border-color:rgb(255, 146, 91) }
```

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

Here you see how a box with a 4 pixel rgb(255, 146, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5731, 0.4799, 0.3826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 91) }
```

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

```
.background{ background-color: rgb(255,  
146, 91) }
```

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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