

Converting Colors

$Y_{xy}(45.2469, 0.4794, 0.3694)$

Have a look what the booklet for
Yxy(45.2469, 0.4794, 0.3694)
contains.

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Color

Yxy(42.7970, 0.4692, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	FF9267
RGB	255, 146, 103
RGB Percent	100%, 57%, 40%
CMY	0.0000, 0.4274, 0.5960
CMYK	0.00, 0.43, 0.60, 0.00
HSL	17°, 100%, 70%
HSV	17°, 60%, 100%
XYZ	53.9649, 42.7970, 18.2528
YIQ	173.6890, 78.7670, 9.7350

Conversions

Conversions Part 2

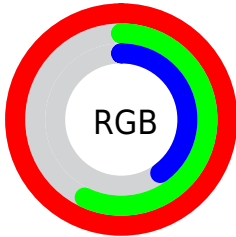
Format	Color
R _Y B	255, 163, 103
Decimal	16749159
CIE Lab	71.42, 37.23, 40.44
CIE LCh	71, 54.968, 47.369
Yxy	42.7970, 0.4692, 0.3721
Android (android.graphics.Color)	4294939239 (0xFFFF9267)
YUV	173.6890, -34.8497, 71.3097
Hunter-Lab	65.4194, 32.7619, 29.2509

Details

The Yxy color **42.7970, 0.4692, 0.3721** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **57.1886, 0.2274, 0.2756**, and the grayscale version is **42.3139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3998, 0.3922, 0.3770**, and **19.7411, 0.5123, 0.3757** is the 20% darker color. If you saturate the color by 10%, you get **37.1685, 0.5074, 0.3751**, and if you desaturate by 10%, it is **49.4877, 0.4331, 0.3664**.

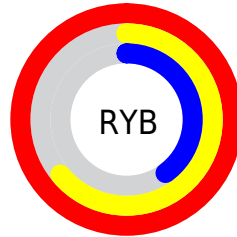
Distribution



Red (100%)

Green (57%)

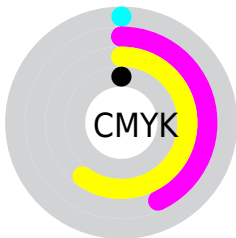
Blue (40%)



Red (100%)

Yellow (64%)

Blue (40%)

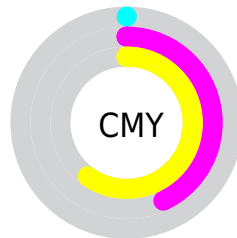


Cyan (0%)

Magenta (43%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7970, 0.4692, 0.3721 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 42.7970, 0.4692, 0.3721 by changing the saturation by 10% instead.


 42.7970, 0.4692,
0.3721


 42.7970, 0.4692,
0.3721


357.7763, 0.3904,
0.3562

 29.7259, 0.4882,
0.3740


 79.4044, 0.4409,
0.3678

 19.6306, 0.5118,
0.3750


 103.7095, 0.4301,
0.3658

 12.1268, 0.5415,
0.3742


 132.5281, 0.4210,
0.3638

 6.8301, 0.5793,
0.3689

 166.2445, 0.4131,
0.3620

 3.3561, 0.6393,
0.3607

205.2431, 0.4063,
0.3604

 1.3203, 0.6837,
0.3163

249.9083, 0.4004,

 0.1569, 0.8729,

0.3588

0.1271

300.6246, 0.3951,
0.3574

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.7970, 0.4692,
0.3721

42.7970, 0.4692,
0.3721

37.1685, 0.5074,
0.3751

49.4877, 0.4331,
0.3664

32.5380, 0.5449,
0.3742

57.2866, 0.4008,
0.3592

28.8440, 0.5776,
0.3687

66.2451, 0.3728,
0.3514

26.0085, 0.6026,
0.3594

76.4092, 0.3490,
0.3435

■ 25.9106, 0.6035,
0.3590

■ 87.8221, 0.3289,
0.3359

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



42.7970, 0.4425, 0.3149



42.7970, 0.4692, 0.3721



42.7970, 0.4472, 0.4282

Triad

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



42.7970, 0.4692, 0.3721



42.7970, 0.2449, 0.4085



42.7970, 0.2275, 0.2106

Complementary

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



42.7970, 0.4692, 0.3721



57.1886, 0.2274, 0.2756

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.



42.7970, 0.1884, 0.2185



42.7970, 0.4692, 0.3721



42.7970, 0.1961, 0.3235

Square

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



42.7970, 0.4692, 0.3721



42.7970, 0.3158, 0.4671



42.7970, 0.1776, 0.2553



42.7970, 0.2932, 0.2272

Rectangle

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



42.7970, 0.4692, 0.3721



42.7970, 0.4117, 0.4584



42.7970, 0.1776, 0.2553



42.7970, 0.2114, 0.2104

Sweetspot

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



42.7992, 0.4692, 0.3721



78.1564, 0.3455, 0.3422



35.8409, 0.3600, 0.2214



16.0560, 0.3519, 0.3445



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.



42.7992, 0.4692, 0.3721



35.9710, 0.5166, 0.3753



73.1773, 0.4175, 0.4418



18.8237, 0.3287, 0.3358



13.7571, 0.6007, 0.3613



1.5154, 0.5786, 0.3788

Inverse Universe

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



57.1886, 0.2274, 0.2756



51.3140, 0.2149, 0.2623



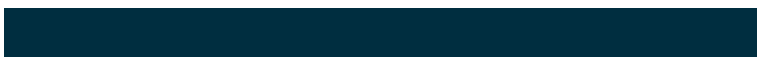
28.4185, 0.2056, 0.1781



19.5618, 0.2980, 0.3221



21.7048, 0.1983, 0.2340



2.2991, 0.2017, 0.2461

Previews

White Background



This preview shows how the Yxy color 42.7970, 0.4692, 0.3721 looks on a white background.

Color Contrast Check

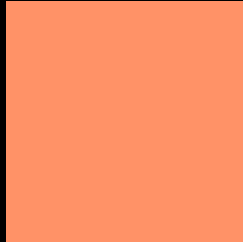
Large Text (above 18pt) WCAG AA × Fail

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 42.7970, 0.4692, 0.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

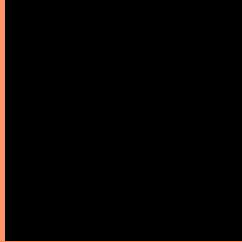
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7970, 0.4692, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 42.7970, 0.4692, 0.3721.



This preview shows how white text looks on a background with the Yxy color 42.7970, 0.4692, 0.3721.

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

42.7970, 0.4692, 0.3721

Protanopia

42.9512, 0.3799, 0.4094

Deuteranopia

42.8344, 0.4196, 0.4103



Tritanopia

42.8404, 0.4219, 0.3199

Trichromacy



Original Color

42.7970, 0.4692, 0.3721

Protanomaly

41.9728, 0.4121, 0.3947

Deuteranomaly

42.3744, 0.4388, 0.3955

Tritanomaly

42.6262, 0.4399, 0.3387

Monochromacy



Original Color

42.7970, 0.4692, 0.3721

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.3855, 0.3654, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7970, 0.4692, 0.3721 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 103) }
```

Border

The CSS property to change the border of an element to Yxy 42.7970, 0.4692, 0.3721 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, 103) }
```

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

```
.border{ border-color:rgb(255, 146, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7970, 0.4692, 0.3721 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, 103) }
```

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

```
.background{ background-color: rgb(255,  
146, 103) }
```

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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