

Converting Colors

$Y_{xy}(40.9823, 0.4768, 0.3698)$

Have a look what the booklet for
Yxy(40.9823, 0.4768, 0.3698)
contains.

Yxy(40.9170, 0.4776, 0.3696)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.9170, 0.4776, 0.3696)

Conversions

Conversions Part 1

Format	Color
Hex	FF8C63
RGB	255, 140, 99
RGB Percent	100%, 55%, 39%
CMY	0.0000, 0.4510, 0.6118
CMYK	0.00, 0.45, 0.61, 0.00
HSL	16°, 100%, 69%
HSV	16°, 61%, 100%
XYZ	52.8733, 40.9170, 16.9159
YIQ	169.7110, 81.7010, 11.6290

Conversions

Conversions Part 2

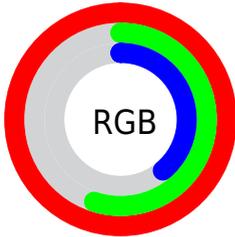
Format	Color
R_{YB}	255, 155, 99
Decimal	16747619
CIE Lab	70.12, 40.02, 40.96
CIE LCh	70, 57.266, 45.668
Yxy	40.9170, 0.4776, 0.3696
Android (android.graphics.Color)	4294937699 (0xFFFF8C63)
YUV	169.7110, -34.8605, 74.7985
Hunter-Lab	63.9664, 35.6031, 29.0972

Details

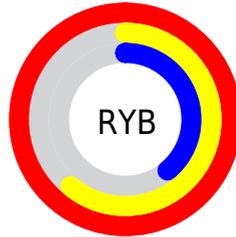
The Yxy color **40.9170, 0.4776, 0.3696** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **57.9675, 0.2266, 0.2780**, and the grayscale version is **40.1928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5246, 0.3979, 0.3750**, and **18.5559, 0.5219, 0.3713** is the 20% darker color. If you saturate the color by 10%, you get **35.4716, 0.5168, 0.3717**, and if you desaturate by 10%, it is **47.4551, 0.4402, 0.3647**.

Distribution



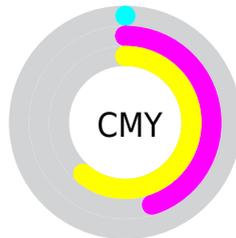
- Red (100%)
- Green (55%)
- Blue (39%)



- Red (100%)
- Yellow (61%)
- Blue (39%)



- Cyan (0%)
- Magenta (45%)
- Yellow (61%)
- Black (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9170, 0.4776, 0.3696 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 40.9170, 0.4776, 0.3696 by changing the saturation by 10% instead.

 40.9170, 0.4776,
0.3696

 40.9170, 0.4776,
0.3696

349.9736, 0.3941,
0.3554

 28.2542, 0.4978,
0.3708

 76.5579, 0.4475,
0.3661

 18.5174, 0.5229,
0.3709

 100.3048, 0.4361,
0.3643

 11.3221, 0.5545,
0.3686

 128.5152, 0.4264,
0.3625

 6.2839, 0.5949,
0.3610

 161.5735, 0.4181,
0.3609

 3.0185, 0.6537,
0.3463

199.8641, 0.4109,
0.3594

 1.1414, 0.7030,
0.2970

243.7714, 0.4046,

 0.0130, 0.9871,

0.3579

0.0129

293.6798, 0.3990,
0.3566

0.0000, 0.0000,
0.0000

40.9170, 0.4776,
0.3696

40.9170, 0.4776,
0.3696

35.4716, 0.5168,
0.3717

47.4551, 0.4402,
0.3647

31.0557, 0.5546,
0.3699

55.1428, 0.4066,
0.3582

27.5994, 0.5867,
0.3637

64.0335, 0.3774,
0.3510

25.2762, 0.6081,
0.3554

74.1770, 0.3527,
0.3436

85.6200, 0.3319,
0.3365

98.4071, 0.3146,
0.3298

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.



40.9170, 0.4468, 0.3103



40.9170, 0.4776, 0.3696



40.9170, 0.4563, 0.4290

Triad

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



40.9170, 0.4776, 0.3696



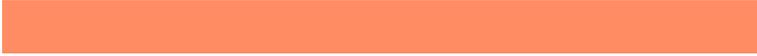
40.9170, 0.2446, 0.4183



40.9170, 0.2200, 0.2048

Complementary

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



40.9170, 0.4776, 0.3696



57.9675, 0.2266, 0.2780

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.



40.9170, 0.1812, 0.2142



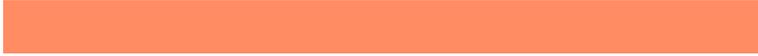
40.9170, 0.4776, 0.3696



40.9170, 0.1922, 0.3276

Square

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



40.9170, 0.4776, 0.3696



40.9170, 0.3197, 0.4776



40.9170, 0.1715, 0.2540



40.9170, 0.2873, 0.2208

Rectangle

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



40.9170, 0.4776, 0.3696



40.9170, 0.4197, 0.4624



40.9170, 0.1715, 0.2540



40.9170, 0.2038, 0.2049

Sweetspot

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



40.9172, 0.4776, 0.3696



77.6673, 0.3457, 0.3413



35.1422, 0.3588, 0.2170



15.9383, 0.3521, 0.3434



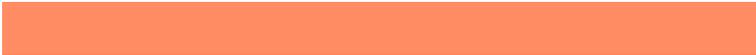
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.9172, 0.4776, 0.3696



34.5909, 0.5239, 0.3717



71.2731, 0.4219, 0.4419



18.7632, 0.3288, 0.3353



13.4125, 0.6053, 0.3576



1.4749, 0.5834, 0.3750

Inverse Universe

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



57.9675, 0.2266, 0.2780



52.6602, 0.2153, 0.2663



28.0505, 0.2035, 0.1768



19.6260, 0.2980, 0.3226



22.8189, 0.2003, 0.2412



2.4000, 0.2035, 0.2524

Previews

White Background



This preview shows how the Yxy color 40.9170, 0.4776, 0.3696 looks on a white background.

Color Contrast Check

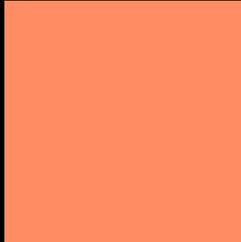
Large Text (above 18pt) WCAG AA × Fail

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 40.9170, 0.4776, 0.3696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

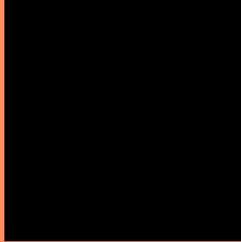
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9170, 0.4776, 0.3696

Background



This preview shows how black text looks on a background with the Yxy color 40.9170, 0.4776, 0.3696.



This preview shows how white text looks on a background with the Yxy color 40.9170, 0.4776, 0.3696.

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

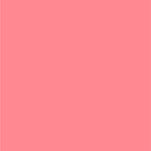
40.9170, 0.4776, 0.3696

Protanopia

41.2175, 0.3799, 0.4109

Deuteranopia

41.0607, 0.4219, 0.4137



Tritanopia

40.9127, 0.4314, 0.3200

Trichromacy



Original Color

40.9170, 0.4776, 0.3696

Protanomaly

40.2002, 0.4154, 0.3941

Deuteranomaly

40.4560, 0.4425, 0.3961

Tritanomaly

40.7098, 0.4499, 0.3386

Monochromacy



Original Color

40.9170, 0.4776, 0.3696

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.2274, 0.3690, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9170, 0.4776, 0.3696 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, 140, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 99)  
}
```

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, 140, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 99) }
```

Border

The CSS property to change the border of an element to Yxy 40.9170, 0.4776, 0.3696 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, 140, 99) }
```

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

```
.border{ border-color:rgb(255, 140, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
99) }
```

Background

The CSS property to change the background color of an element to Yxy 40.9170, 0.4776, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 99) }
```

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

```
.background{ background-color: rgb(255,  
140, 99) }
```

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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