

Converting Colors

$Y_{xy}(40.7533, 0.4926, 0.3846)$

Have a look what the booklet for
Yxy(40.7533, 0.4926, 0.3846)
contains.

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Color

Yxy(40.6254, 0.4926, 0.3838)

Conversions

Conversions Part 1

Format	Color
Hex	FF8C52
RGB	255, 140, 82
RGB Percent	100%, 55%, 32%
CMY	0.0000, 0.4510, 0.6783
CMYK	0.00, 0.45, 0.68, 0.00
HSL	20°, 100%, 66%
HSV	20°, 68%, 100%
XYZ	52.1419, 40.6254, 13.0831
YIQ	167.7730, 87.1580, 6.3420

Conversions

Conversions Part 2

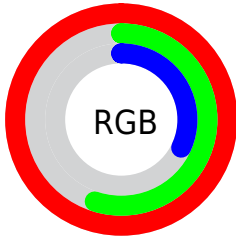
Format	Color
R _Y B	255, 169, 82
Decimal	16747602
CIE Lab	69.91, 39.00, 49.43
CIE LCh	70, 62.964, 51.731
Yxy	40.6254, 0.4926, 0.3838
Android (android.graphics.Color)	4294937682 (0xFFFF8C52)
YUV	167.7730, -42.2861, 76.4981
Hunter-Lab	63.7381, 34.4832, 32.4466

Details

The Yxy color **40.6254, 0.4926, 0.3838** 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 **48.9613, 0.2158, 0.2546**, and the grayscale version is **39.2231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9837, 0.4121, 0.3930**, and **18.4267, 0.5386, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **35.7296, 0.5280, 0.3846**, and if you desaturate by 10%, it is **46.4330, 0.4570, 0.3791**.

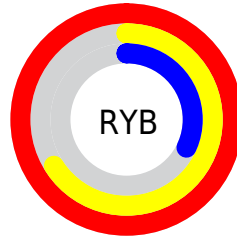
Distribution



Red (100%)

Green (55%)

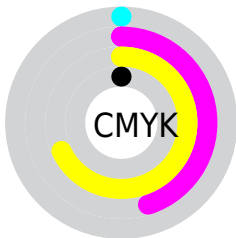
Blue (32%)



Red (100%)

Yellow (66%)

Blue (32%)

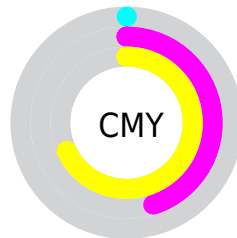


Cyan (0%)

Magenta (45%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (45%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6254, 0.4926, 0.3838 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 40.6254, 0.4926, 0.3838 by changing the saturation by 10% instead.


 40.6254, 0.4926,
0.3838

 40.6254, 0.4926,
0.3838


348.7525, 0.4027,
0.3645


 28.0265, 0.5135,
0.3854


 76.1149, 0.4608,
0.3791


 18.3456, 0.5389,
0.3854


 99.7743, 0.4485,
0.3766

 11.1984, 0.5697,
0.3822


 127.8893, 0.4380,
0.3743

 6.2005, 0.6142,
0.3767

 160.8444, 0.4290,
0.3720

 2.9674, 0.6510,
0.3490

 199.0238, 0.4211,
0.3699

 1.1147, 0.7001,
0.2999

242.8121, 0.4142,

 0.0000, 1.0000,

0.3680

0.0000

292.5935, 0.4081,
0.3662

0.0000, 0.0000,
0.0000

40.6254, 0.4926,
0.3838

40.6254, 0.4926,
0.3838

35.7296, 0.5280,
0.3846

46.4330, 0.4570,
0.3791

31.6875, 0.5601,
0.3804

53.1928, 0.4235,
0.3718

28.4410, 0.5857,
0.3714

60.9504, 0.3935,
0.3631

27.8300, 0.5907,
0.3692

69.7461, 0.3672,
0.3537

79.6179, 0.3447,
0.3445

 90.6018, 0.3256,
0.3356

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



40.6254, 0.4719, 0.3198



40.6254, 0.4926, 0.3838



40.6254, 0.4575, 0.4477

Triad

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



40.6254, 0.4926, 0.3838



40.6254, 0.2234, 0.4085



40.6254, 0.2240, 0.1962

Complementary

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



40.6254, 0.4926, 0.3838



48.9613, 0.2158, 0.2546

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.



40.6254, 0.1763, 0.1998



40.6254, 0.4926, 0.3838



40.6254, 0.1743, 0.3072

Square

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



40.6254, 0.4926, 0.3838



40.6254, 0.3011, 0.4869



40.6254, 0.1596, 0.2345



40.6254, 0.3023, 0.2184

Rectangle

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



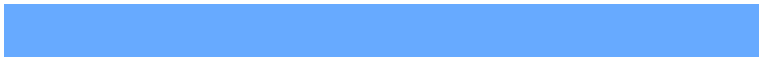
40.6254, 0.4926, 0.3838



40.6254, 0.4128, 0.4826



40.6254, 0.1596, 0.2345



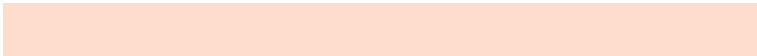
40.6254, 0.2046, 0.1944

Sweetspot

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



40.6276, 0.4926, 0.3838



77.3817, 0.3493, 0.3465



31.3470, 0.3831, 0.2208



15.9596, 0.3555, 0.3491



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.



40.6276, 0.4926, 0.3838



34.3580, 0.5387, 0.3838



76.3555, 0.4233, 0.4616



18.9818, 0.3286, 0.3370



14.7867, 0.5877, 0.3716



1.6315, 0.5658, 0.3890

Inverse Universe

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



48.9613, 0.2158, 0.2546



42.8818, 0.2037, 0.2374



20.3547, 0.1880, 0.1407



19.3955, 0.2980, 0.3208



18.9905, 0.1931, 0.2152



2.0506, 0.1972, 0.2297

Previews

White Background



This preview shows how the Yxy color 40.6254, 0.4926, 0.3838 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 40.6254, 0.4926, 0.3838 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 40.6254, 0.4926, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 40.6254, 0.4926, 0.3838.



This preview shows how white text looks on a background with the Yxy color 40.6254, 0.4926, 0.3838.

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

40.6254, 0.4926, 0.3838

Protanopia

40.7173, 0.3979, 0.4322

Deuteranopia

40.7273, 0.4377, 0.4287



Tritanopia

40.6016, 0.4330, 0.3200

Trichromacy



Original Color

40.6254, 0.4926, 0.3838

Protanomaly

39.9923, 0.4328, 0.4144

Deuteranomaly

40.5012, 0.4583, 0.4113

Tritanomaly

40.5318, 0.4574, 0.3457

Monochromacy



Original Color

40.6254, 0.4926, 0.3838

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.5392, 0.3753, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6254, 0.4926, 0.3838 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 82) }
```

Border

The CSS property to change the border of an element to Yxy 40.6254, 0.4926, 0.3838 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, 82) }
```

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

```
.border{ border-color:rgb(255, 140, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6254, 0.4926, 0.3838 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, 82) }
```

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

```
.background{ background-color: rgb(255,  
140, 82) }
```

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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