

Converting Colors

$Y_{xy}(40.6261, 0.4784, 0.3686)$

Have a look what the booklet for
Yxy(40.6261, 0.4784, 0.3686)
contains.

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Color

Yxy(40.6261, 0.4784, 0.3686)

Conversions

Conversions Part 1

Format	Color
Hex	FF8B63
RGB	255, 139, 99
RGB Percent	100%, 55%, 39%
CMY	0.0000, 0.4549, 0.6118
CMYK	0.00, 0.45, 0.61, 0.00
HSL	15°, 100%, 69%
HSV	15°, 61%, 100%
XYZ	52.7280, 40.6261, 16.8632
YIQ	169.1240, 81.9760, 12.1520

Conversions

Conversions Part 2

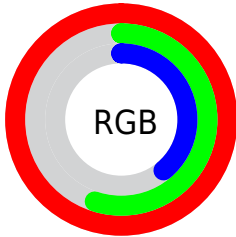
Format	Color
R_{YB}	255, 153, 99
Decimal	16747363
CIE _{Lab}	69.91, 40.52, 40.72
CIE _{LCh}	70, 57.449, 45.140
Yxy	40.6261, 0.4784, 0.3686
Android (android.graphics.Color)	4294937443 (0xFFFF8B63)
YUV	169.1240, -34.5711, 75.3133
Hunter-Lab	63.7386, 36.1221, 28.9307

Details

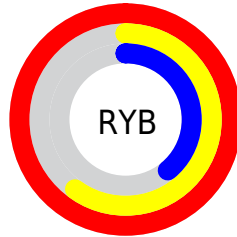
The Yxy color **40.6261, 0.4784, 0.3686** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.4662, 0.2269, 0.2793**, and the grayscale version is **39.8831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0779, 0.3984, 0.3740**, and **18.3929, 0.5231, 0.3701** is the 20% darker color. If you saturate the color by 10%, you get **35.1900, 0.5179, 0.3706**, and if you desaturate by 10%, it is **47.1675, 0.4407, 0.3639**.

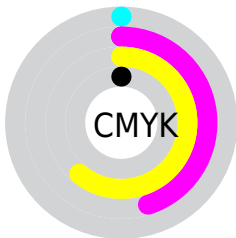
Distribution



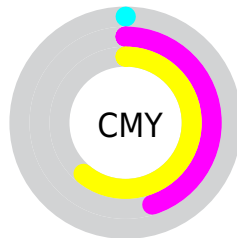
- Red (100%)
- Green (55%)
- Blue (39%)



- Red (100%)
- Yellow (60%)
- 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 40.6261, 0.4784, 0.3686 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 40.6261, 0.4784, 0.3686 by changing the saturation by 10% instead.


 40.6261, 0.4784,
0.3686

 40.6261, 0.4784,
0.3686


348.7555, 0.3944,
0.3549


 28.0270, 0.4987,
0.3697


 76.1160, 0.4481,
0.3653

 18.3460, 0.5241,
0.3696


 99.7756, 0.4366,
0.3635

 11.1987, 0.5560,
0.3670


 127.8908, 0.4269,
0.3619

 6.2007, 0.5969,
0.3591

 160.8461, 0.4185,
0.3603

 2.9675, 0.6563,
0.3437

199.0258, 0.4112,
0.3588

 1.1148, 0.7064,
0.2936

242.8144, 0.4049,

 0.0000, 1.0000,

0.3574

0.0000

292.5961, 0.3993,
0.3561

0.0000, 0.0000,
0.0000

40.6261, 0.4784,
0.3686

40.6261, 0.4784,
0.3686

35.1900, 0.5179,
0.3706

47.1675, 0.4407,
0.3639

30.7961, 0.5560,
0.3687

54.8741, 0.4069,
0.3575

27.3725, 0.5882,
0.3625

63.7999, 0.3776,
0.3505

25.0867, 0.6094,
0.3543

73.9956, 0.3528,
0.3433

85.5093, 0.3319,
0.3363

98.3863, 0.3146,
0.3297

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.



40.6261, 0.4466, 0.3091



40.6261, 0.4784, 0.3686



40.6261, 0.4577, 0.4284

Triad

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



40.6261, 0.4784, 0.3686



40.6261, 0.2454, 0.4203



40.6261, 0.2186, 0.2042

Complementary

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



40.6261, 0.4784, 0.3686



58.4662, 0.2269, 0.2793

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.



40.6261, 0.1801, 0.2141



40.6261, 0.4784, 0.3686



40.6261, 0.1923, 0.3291

Square

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



40.6261, 0.4784, 0.3686



40.6261, 0.3210, 0.4790



40.6261, 0.1709, 0.2546



40.6261, 0.2857, 0.2198

Rectangle

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



40.6261, 0.4784, 0.3686



40.6261, 0.4213, 0.4623



40.6261, 0.1709, 0.2546



40.6261, 0.2025, 0.2044

Sweetspot

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



40.6257, 0.4784, 0.3686



77.5138, 0.3457, 0.3410



35.1389, 0.3588, 0.2170



15.9013, 0.3521, 0.3431



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.



40.6257, 0.4784, 0.3686



34.3155, 0.5251, 0.3706



71.2706, 0.4219, 0.4419



18.7442, 0.3288, 0.3352



13.3096, 0.6067, 0.3565



1.4627, 0.5849, 0.3738

Inverse Universe

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



58.4662, 0.2269, 0.2793



53.2305, 0.2157, 0.2679



28.0460, 0.2035, 0.1768



19.6463, 0.2980, 0.3228



23.1782, 0.2010, 0.2434



2.4325, 0.2040, 0.2544

Previews

White Background



This preview shows how the Yxy color 40.6261, 0.4784, 0.3686 looks on a white background.

Color Contrast Check

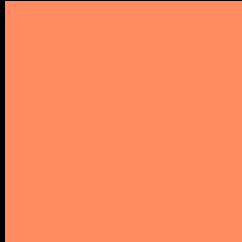
Large Text (above 18pt) WCAG AA × Fail

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 40.6261, 0.4784, 0.3686 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 40.6261, 0.4784, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 40.6261, 0.4784, 0.3686.



This preview shows how white text looks on a background with the Yxy color 40.6261, 0.4784, 0.3686.

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

40.6261, 0.4784, 0.3686

Protanopia

40.7126, 0.3795, 0.4100

Deuteranopia

40.5578, 0.4217, 0.4130



Tritanopia

40.6016, 0.4330, 0.3200

Trichromacy



Original Color

40.6261, 0.4784, 0.3686

Protanomaly

39.7067, 0.4151, 0.3932

Deuteranomaly

40.1245, 0.4432, 0.3950

Tritanomaly

40.4268, 0.4504, 0.3376

Monochromacy



Original Color

40.6261, 0.4784, 0.3686

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.7467, 0.3683, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6261, 0.4784, 0.3686 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, 139, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 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, 139, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 99) }
```

Border

The CSS property to change the border of an element to Yxy 40.6261, 0.4784, 0.3686 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, 139, 99) }
```

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

```
.border{ border-color:rgb(255, 139, 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, 139, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6261, 0.4784, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 99) }
```

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

```
.background{ background-color: rgb(255,  
139, 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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