

Converting Colors

$Y_{xy}(59.6566, 0.5325, 0.3554)$

Have a look what the booklet for
Yxy(59.6566, 0.5325, 0.3554)
contains.

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Color

Yxy(40.9363, 0.4766, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	FF8C64
RGB	255, 140, 100
RGB Percent	100%, 55%, 39%
CMY	0.0000, 0.4509, 0.6077
CMYK	0.00, 0.45, 0.61, 0.00
HSL	15°, 100%, 70%
HSV	15°, 61%, 100%
XYZ	52.9163, 40.9363, 17.1761
YIQ	169.8250, 81.3800, 11.9400

Conversions

Conversions Part 2

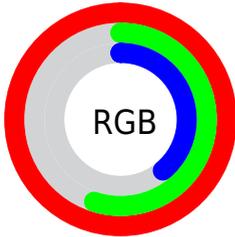
Format	Color
R _Y B	255, 154, 100
Decimal	16747620
CIE Lab	70.13, 40.07, 40.44
CIE LCh	70, 56.929, 45.260
Yxy	40.9363, 0.4766, 0.3687
Android (android.graphics.Color)	4294937700 (0xFFFF8C64)
YUV	169.8250, -34.4237, 74.6985
Hunter-Lab	63.9815, 35.6620, 28.8703

Details

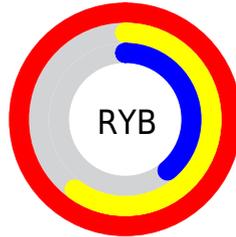
The Yxy color **40.9363, 0.4766, 0.3687** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.5331, 0.2272, 0.2794**, and the grayscale version is **40.2541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5572, 0.3971, 0.3740**, and **18.5648, 0.5208, 0.3704** is the 20% darker color. If you saturate the color by 10%, you get **35.4569, 0.5160, 0.3708**, and if you desaturate by 10%, it is **47.5250, 0.4391, 0.3639**.

Distribution



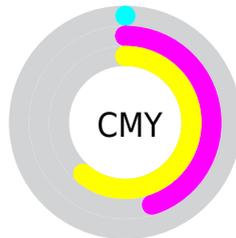
- Red (100%)
- Green (55%)
- Blue (39%)



- 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 40.9363, 0.4766, 0.3687 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 40.9363, 0.4766, 0.3687 by changing the saturation by 10% instead.

 40.9363, 0.4766,
0.3687

 40.9363, 0.4766,
0.3687

350.0543, 0.3935,
0.3548

 28.2693, 0.4967,
0.3699

 76.5872, 0.4467,
0.3653

 18.5288, 0.5218,
0.3700

 100.3399, 0.4353,
0.3635

 11.3303, 0.5534,
0.3676

 128.5566, 0.4257,
0.3618

 6.2894, 0.5938,
0.3601

 161.6217, 0.4174,
0.3602

 3.0219, 0.6539,
0.3461

199.9197, 0.4102,
0.3587

 1.1432, 0.7031,
0.2969

243.8348, 0.4040,

 0.0145, 0.9857,

0.3573

0.0143

293.7516, 0.3984,
0.3560

0.0000, 0.0000,
0.0000

40.9363, 0.4766,
0.3687

40.9363, 0.4766,
0.3687

35.4569, 0.5160,
0.3708

47.5250, 0.4391,
0.3639

31.0169, 0.5542,
0.3692

55.2749, 0.4055,
0.3574

27.5474, 0.5867,
0.3631

64.2419, 0.3765,
0.3503

25.1302, 0.6091,
0.3546

74.4765, 0.3518,
0.3431

86.0263, 0.3312,
0.3361

98.9362, 0.3139,
0.3295

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



40.9363, 0.4452, 0.3097



40.9363, 0.4766, 0.3687



40.9363, 0.4561, 0.4278

Triad

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



40.9363, 0.4766, 0.3687



40.9363, 0.2460, 0.4188



40.9363, 0.2198, 0.2054

Complementary

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



40.9363, 0.4766, 0.3687



58.5331, 0.2272, 0.2794

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.



40.9363, 0.1815, 0.2152



40.9363, 0.4766, 0.3687



40.9363, 0.1934, 0.3289

Square

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



40.9363, 0.4766, 0.3687



40.9363, 0.3208, 0.4770



40.9363, 0.1722, 0.2553



40.9363, 0.2864, 0.2210

Rectangle

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



40.9363, 0.4766, 0.3687



40.9363, 0.4201, 0.4612



40.9363, 0.1722, 0.2553



40.9363, 0.2038, 0.2056

Sweetspot

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



40.9384, 0.4766, 0.3687



77.5515, 0.3457, 0.3411



35.3484, 0.3584, 0.2176



15.9104, 0.3521, 0.3432



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.



40.9384, 0.4766, 0.3687



34.3830, 0.5248, 0.3708



71.4174, 0.4212, 0.4413



18.7488, 0.3288, 0.3352



13.3347, 0.6063, 0.3568



1.4657, 0.5845, 0.3741

Inverse Universe

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



58.5331, 0.2272, 0.2794



53.0897, 0.2156, 0.2675



28.3286, 0.2042, 0.1780



19.6413, 0.2980, 0.3227



23.0894, 0.2008, 0.2429



2.4245, 0.2039, 0.2539

Previews

White Background



This preview shows how the Yxy color 40.9363, 0.4766, 0.3687 looks on a white background.

Color Contrast Check

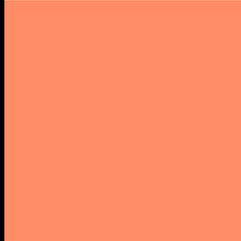
Large Text (above 18pt) WCAG AA × Fail

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 40.9363, 0.4766, 0.3687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

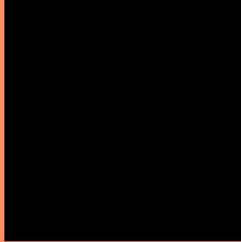
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9363, 0.4766, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 40.9363, 0.4766, 0.3687.



This preview shows how white text looks on a background with the Yxy color 40.9363, 0.4766, 0.3687.

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

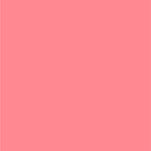
40.9363, 0.4766, 0.3687

Protanopia

41.2397, 0.3791, 0.4096

Deuteranopia

41.0788, 0.4211, 0.4127



Tritanopia

40.9127, 0.4314, 0.3200

Trichromacy



Original Color

40.9363, 0.4766, 0.3687

Protanomaly

40.2214, 0.4145, 0.3929

Deuteranomaly

40.4745, 0.4416, 0.3950

Tritanomaly

40.7363, 0.4488, 0.3376

Monochromacy



Original Color

40.9363, 0.4766, 0.3687

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.2581, 0.3680, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9363, 0.4766, 0.3687 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 100) }
```

Border

The CSS property to change the border of an element to Yxy 40.9363, 0.4766, 0.3687 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, 100) }
```

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

```
.border{ border-color:rgb(255, 140, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9363, 0.4766, 0.3687 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, 100) }
```

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

```
.background{ background-color: rgb(255,  
140, 100) }
```

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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