

# Converting Colors

Yxy(43.9617, 0.4824, 0.3644)

Have a look what the booklet for  
Yxy(43.9617, 0.4824, 0.3644)  
contains.

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# **Color**

**Yxy(41.6055, 0.4713, 0.3671)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8E68
RGB	255, 142, 104
RGB Percent	100%, 56%, 41%
CMY	0.0000, 0.4431, 0.5921
CMYK	0.00, 0.44, 0.59, 0.00
HSL	15°, 100%, 70%
HSV	15°, 59%, 100%
XYZ	53.4151, 41.6055, 18.3150
YIQ	171.4550, 79.5460, 12.1380

# Conversions

## Conversions Part 2

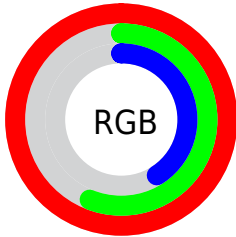
Format	Color
<b>RYB</b>	255, 155, 104
Decimal	16748136
CIELab	70.60, 39.35, 38.90
CIElCh	71, 55.333, 44.676
Yxy	41.6055, 0.4713, 0.3671
Android (android.graphics.Color)	4294938216 (0xFFFF8E68)
YUV	171.4550, -33.2553, 73.2690
Hunter-Lab	64.5023, 34.9387, 28.3166

# Details

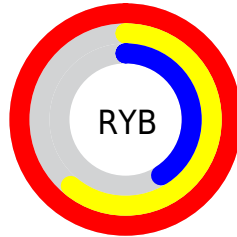
The Yxy color **41.6055, 0.4713, 0.3671** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **59.7959, 0.2292, 0.2821**, and the grayscale version is **41.1061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5928, 0.3931, 0.3719**, and **18.9353, 0.5138, 0.3691** is the 20% darker color. If you saturate the color by 10%, you get **35.9625, 0.5109, 0.3696**, and if you desaturate by 10%, it is **48.3779, 0.4341, 0.3621**.

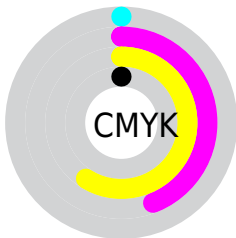
# Distribution



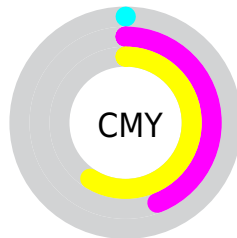
- Red (100%)
- Green (56%)
- Blue (41%)



- Red (100%)
- Yellow (61%)
- Blue (41%)



- Cyan (0%)
- Magenta (44%)
- Yellow (59%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6055, 0.4713, 0.3671 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 41.6055, 0.4713, 0.3671 by changing the saturation by 10% instead.





 41.6055, 0.4713,  
0.3671

 41.6055, 0.4713,  
0.3671


352.8450, 0.3909,  
0.3536


 28.7925, 0.4908,  
0.3684


 77.6022, 0.4423,  
0.3637


 18.9239, 0.5152,  
0.3687


 101.5547, 0.4313,  
0.3620

 11.6153, 0.5462,  
0.3669


 129.9892, 0.4220,  
0.3603

 6.4823, 0.5858,  
0.3604

 163.2901, 0.4140,  
0.3587

 3.1405, 0.6496,  
0.3504

201.8417, 0.4071,  
0.3573

 1.2055, 0.6973,  
0.3027

246.0284, 0.4010,

 0.0662, 0.9400,

0.3560

0.0600

296.2347, 0.3957,  
0.3547

0.0000, 0.0000,  
0.0000

41.6055, 0.4713,  
0.3671

41.6055, 0.4713,  
0.3671

35.9625, 0.5109,  
0.3696

48.3779, 0.4341,  
0.3621

31.3839, 0.5497,  
0.3685

56.3377, 0.4010,  
0.3557

27.7988, 0.5836,  
0.3631

65.5397, 0.3725,  
0.3487

25.1215, 0.6087,  
0.3542

76.0349, 0.3484,  
0.3416

24.9445, 0.6105,  
0.3535

87.8715, 0.3283,  
0.3349

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.



41.6055, 0.4398, 0.3095



41.6055, 0.4713, 0.3671



41.6055, 0.4528, 0.4245

# Triad

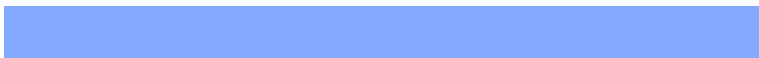
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.6055, 0.4713, 0.3671



41.6055, 0.2496, 0.4171



41.6055, 0.2216, 0.2087

# Complementary

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



41.6055, 0.4713, 0.3671



59.7959, 0.2292, 0.2821

# 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.



41.6055, 0.1846, 0.2190



41.6055, 0.4713, 0.3671



41.6055, 0.1976, 0.3308

# Square

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



41.6055, 0.4713, 0.3671



41.6055, 0.3225, 0.4721



41.6055, 0.1762, 0.2590



41.6055, 0.2859, 0.2234



# Rectangle

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



41.6055, 0.4713, 0.3671



41.6055, 0.4186, 0.4567



41.6055, 0.1762, 0.2590



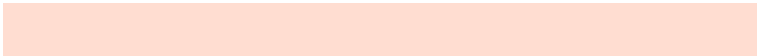
41.6055, 0.2061, 0.2092

# Sweetspot

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



41.6058, 0.4713, 0.3671



77.3957, 0.3458, 0.3408



36.1861, 0.3568, 0.2198



15.8729, 0.3522, 0.3428



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.



41.6058, 0.4713, 0.3671



35.0670, 0.5180, 0.3697



72.0160, 0.4184, 0.4391



18.7295, 0.3288, 0.3350



13.2323, 0.6077, 0.3557



1.4534, 0.5860, 0.3729



# Inverse Universe

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



59.7959, 0.2292, 0.2821



54.4954, 0.2177, 0.2710



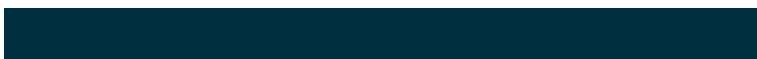
29.4383, 0.2070, 0.1824



19.6619, 0.2980, 0.3229



23.4574, 0.2014, 0.2452



2.4577, 0.2044, 0.2559



# Previews

## White Background



This preview shows how the Yxy color 41.6055, 0.4713, 0.3671 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 41.6055, 0.4713, 0.3671 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 41.6055, 0.4713, 0.3671**

## Background



This preview shows how black text looks on a background with the Yxy color 41.6055, 0.4713, 0.3671.



This preview shows how white text looks on a background with the Yxy color 41.6055, 0.4713, 0.3671.

# 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

41.6055, 0.4713, 0.3671

### Protanopia

41.8395, 0.3762, 0.4053

### Deuteranopia

41.6600, 0.4180, 0.4091



## Tritanopia

41.5435, 0.4282, 0.3200

# Trichromacy



**Original Color**

41.6055, 0.4713, 0.3671

**Protanomaly**

41.0076, 0.4096, 0.3906

**Deuteranomaly**

41.3844, 0.4375, 0.3929

**Tritanomaly**

41.3639, 0.4454, 0.3376

# Monochromacy



**Original Color**

41.6055, 0.4713, 0.3671

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

39.8048, 0.3667, 0.3459

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.6055, 0.4713, 0.3671 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, 142, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 104)  
}
```

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, 142, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 41.6055, 0.4713, 0.3671 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, 142, 104) }
```

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

```
.border{ border-color:rgb(255, 142, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.6055, 0.4713, 0.3671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 104) }
```

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

```
.background{ background-color: rgb(255,  
142, 104) }
```

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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