

# Converting Colors

$Y_{xy}(40.2917, 0.4642, 0.3514)$

Have a look what the booklet for  
Yxy(40.2917, 0.4642, 0.3514)  
contains.

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# Color

**Yxy(40.3891, 0.4638, 0.3516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8973
RGB	255, 137, 115
RGB Percent	100%, 54%, 45%
CMY	0.0000, 0.4627, 0.5490
CMYK	0.00, 0.46, 0.55, 0.00
HSL	9°, 100%, 73%
HSV	9°, 55%, 100%
XYZ	53.2778, 40.3891, 21.2054
YIQ	169.7740, 77.3900, 18.1740

# Conversions

## Conversions Part 2

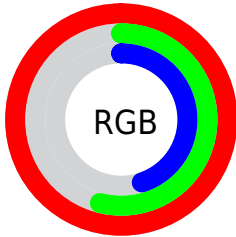
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 141, 115
Decimal	16746867
CIE <sub>Lab</sub>	69.75, 42.67, 31.91
CIE <sub>LCh</sub>	70, 53.279, 36.791
Yxy	40.3891, 0.4638, 0.3516
Android (android.graphics.Color)	4294936947 (0xFFFF8973)
YUV	169.7740, -27.0036, 74.7432
Hunter-Lab	63.5524, 38.4248, 24.7035

# Details

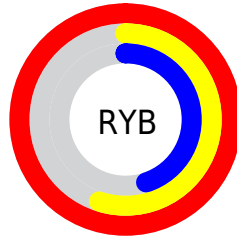
The Yxy color **40.3891, 0.4638, 0.3516** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **69.1266, 0.2375, 0.3026**, and the grayscale version is **40.1898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7493, 0.3860, 0.3554**, and **18.2033, 0.5089, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **34.3695, 0.5066, 0.3535**, and if you desaturate by 10%, it is **47.7918, 0.4249, 0.3482**.

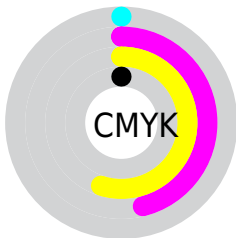
# Distribution



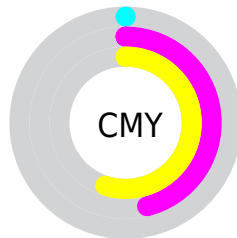
- Red (100%)
- Green (54%)
- Blue (45%)



- Red (100%)
- Yellow (55%)
- Blue (45%)



- Cyan (0%)
- Magenta (46%)
- Yellow (55%)
- Black (0%)



- Cyan (0%)
- Magenta (46%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3891, 0.4638, 0.3516 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 40.3891, 0.4638, 0.3516 by changing the saturation by 10% instead.





 40.3891, 0.4638,  
0.3516


 40.3891, 0.4638,  
0.3516


347.7609, 0.3863,  
0.3448


 27.8421, 0.4831,  
0.3516


 75.7557, 0.4355,  
0.3503

 18.2066, 0.5077,  
0.3507


 99.3440, 0.4249,  
0.3495

 11.0984, 0.5395,  
0.3476


 127.3815, 0.4159,  
0.3486

 6.1331, 0.5817,  
0.3401

160.2526, 0.4083,  
0.3478

 2.9262, 0.6531,  
0.3300

198.3417, 0.4017,  
0.3470

 1.0933, 0.7161,  
0.2839

242.0331, 0.3959,

 0.0000, 1.0000,

0.3462

0.0000

291.7114, 0.3908,  
0.3455

■ 0.0000, 0.0000,  
0.0000

■ 40.3891, 0.4638,  
0.3516

■ 40.3891, 0.4638,  
0.3516

■ 34.3695, 0.5066,  
0.3535

■ 47.7918, 0.4249,  
0.3482

■ 29.6404, 0.5500,  
0.3531

■ 56.6501, 0.3912,  
0.3440

■ 26.1074, 0.5887,  
0.3497

■ 67.0388, 0.3631,  
0.3395

■ 23.6603, 0.6171,  
0.3436

■ 79.0260, 0.3398,  
0.3351

■ 22.7831, 0.6272,  
0.3402

■ 92.6753, 0.3208,  
0.3309

99.9985, 0.3127,  
0.3290

# Harmonies

## Analogous

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



40.3891, 0.4207, 0.2963



40.3891, 0.4638, 0.3516



40.3891, 0.4584, 0.4086

# Triad

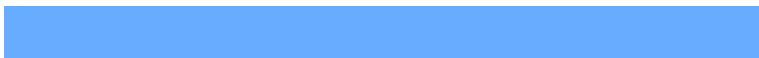
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.3891, 0.4638, 0.3516



40.3891, 0.2688, 0.4332



40.3891, 0.2116, 0.2116

# Complementary

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



40.3891, 0.4638, 0.3516



69.1266, 0.2375, 0.3026

# 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.



40.3891, 0.1827, 0.2290



40.3891, 0.4638, 0.3516



40.3891, 0.2111, 0.3531

# Square

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



40.3891, 0.4638, 0.3516



40.3891, 0.3424, 0.4724



40.3891, 0.1820, 0.2766



40.3891, 0.2679, 0.2199



# Rectangle

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



40.3891, 0.4638, 0.3516



40.3891, 0.4310, 0.4426



40.3891, 0.1820, 0.2766



40.3891, 0.1988, 0.2143

# Sweetspot

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



40.3912, 0.4638, 0.3516



77.6362, 0.3421, 0.3356



39.4587, 0.3384, 0.2146



16.0685, 0.3467, 0.3365



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.



40.3912, 0.4638, 0.3516



33.7915, 0.5114, 0.3536



66.6353, 0.4186, 0.4201



18.4482, 0.3291, 0.3328



12.0414, 0.6251, 0.3419



1.2993, 0.6062, 0.3569



# Inverse Universe

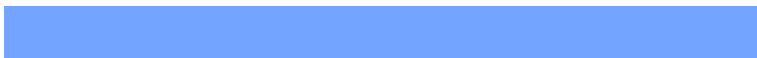
The Inverse Universe completely reimagines the original color for something new.



69.1266, 0.2375, 0.3026



65.0106, 0.2272, 0.2963



37.4125, 0.2186, 0.2131



19.9661, 0.2980, 0.3252



29.3219, 0.2106, 0.2781



2.9800, 0.2124, 0.2845



# Previews

## White Background



This preview shows how the Yxy color 40.3891, 0.4638, 0.3516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

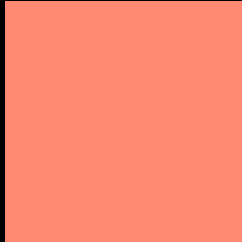
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.3891, 0.4638, 0.3516 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 40.3891, 0.4638, 0.3516**

## Background



This preview shows how black text looks on a background with the Yxy color 40.3891, 0.4638, 0.3516.

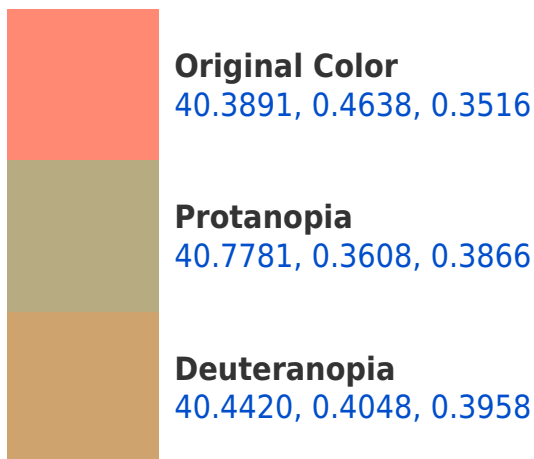


This preview shows how white text looks on a background with the Yxy color 40.3891, 0.4638, 0.3516.

# 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





## Tritanopia

40.2934, 0.4347, 0.3201

# Trichromacy



## Original Color

40.3891, 0.4638, 0.3516

## Protanomaly

39.8068, 0.3969, 0.3732

## Deuteranomaly

40.1283, 0.4264, 0.3784

## Tritanomaly

40.2814, 0.4455, 0.3314

# Monochromacy



## Original Color

40.3891, 0.4638, 0.3516

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

39.0732, 0.3634, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.3891, 0.4638, 0.3516 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, 137, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 115)  
}
```

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, 137, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 40.3891, 0.4638, 0.3516 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, 137, 115) }
```

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

```
.border{ border-color:rgb(255, 137, 115) }
```

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

Here you see how a box with a 4 pixel rgb(255, 137, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.3891, 0.4638, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 115) }
```

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

```
.background{ background-color: rgb(255,  
137, 115) }
```

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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