

# Converting Colors

$Y_{xy}(38.3640, 0.4754, 0.3728)$

Have a look what the booklet for  
Yxy(38.3640, 0.4754, 0.3728)  
contains.

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# Color

**Yxy(38.3104, 0.4761, 0.3721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6895F
RGB	246, 137, 95
RGB Percent	96%, 54%, 37%
CMY	0.0353, 0.4627, 0.6276
CMYK	0.00, 0.44, 0.61, 0.04
HSL	17°, 89%, 67%
HSV	17°, 61%, 96%
XYZ	49.0180, 38.3104, 15.6289
YIQ	164.8030, 78.4460, 10.0460

# Conversions

## Conversions Part 2

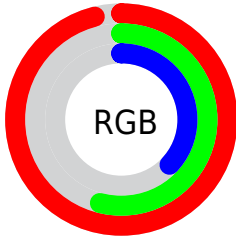
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 153, 95
Decimal	16157023
CIE <sub>Lab</sub>	68.25, 37.83, 40.54
CIE <sub>LCh</sub>	68, 55.446, 46.983
Yxy	38.3104, 0.4761, 0.3721
Android (android.graphics.Color)	4294347103 (0xFFFF6895F)
YUV	164.8030, -34.4129, 71.2098
Hunter-Lab	61.8954, 33.0458, 28.3557

# Details

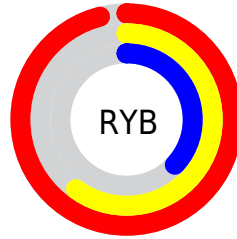
The Yxy color **38.3104, 0.4761, 0.3721** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **52.2555, 0.2257, 0.2747**, and the grayscale version is **37.6672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0346, 0.4033, 0.3771**, and **17.0165, 0.5223, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **33.2945, 0.5146, 0.3744**, and if you desaturate by 10%, it is **44.3020, 0.4394, 0.3669**.

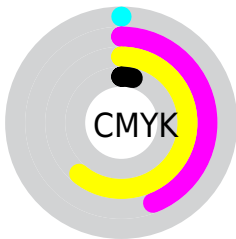
# Distribution



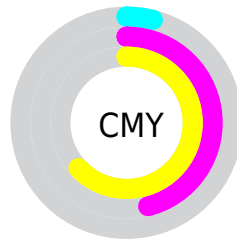
- Red (96%)
- Green (54%)
- Blue (37%)



- Red (96%)
- Yellow (60%)
- Blue (37%)



- Cyan (0%)
- Magenta (44%)
- Yellow (61%)
- Black (4%)




- Cyan (4%)
- Magenta (46%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3104, 0.4761, 0.3721 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 38.3104, 0.4761, 0.3721 by changing the saturation by 10% instead.





 38.3104, 0.4761,  
0.3721


 38.3104, 0.4761,  
0.3721


338.9496, 0.3925,  
0.3563


 26.2237, 0.4965,  
0.3737


 72.5837, 0.4458,  
0.3680


 16.9911, 0.5221,  
0.3741


 95.5390, 0.4344,  
0.3660

 10.2281, 0.5544,  
0.3720


 122.8860, 0.4247,  
0.3641

 5.5505, 0.5973,  
0.3652

 155.0090, 0.4164,  
0.3623

 2.5737, 0.6533,  
0.3467

192.2925, 0.4092,  
0.3606

 0.9135, 0.7060,  
0.2940

235.1208, 0.4029,

 0.0000, 1.0000,

0.3591

0.0000

283.8784, 0.3974,  
0.3576

■ 0.0000, 0.0000,  
0.0000

■ 38.3104, 0.4761,  
0.3721

■ 38.3104, 0.4761,  
0.3721

■ 33.2945, 0.5146,  
0.3744

■ 44.3020, 0.4394,  
0.3669

■ 29.1938, 0.5516,  
0.3728

■ 51.3131, 0.4063,  
0.3600


■ 25.9499, 0.5833,  
0.3665

■ 59.3920, 0.3775,  
0.3524

■ 23.7856, 0.6043,  
0.3584

■ 68.5819, 0.3529,  
0.3446

■ 78.9236, 0.3322,  
0.3371

 90.4558, 0.3149,  
0.3300

 98.3341, 0.3072,  
0.3290

# Harmonies

## Analogous

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



38.3104, 0.4479, 0.3131



38.3104, 0.4761, 0.3721



38.3104, 0.4531, 0.4307

# Triad

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



38.3104, 0.4761, 0.3721



38.3104, 0.2425, 0.4136



38.3104, 0.2232, 0.2061

# Complementary

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



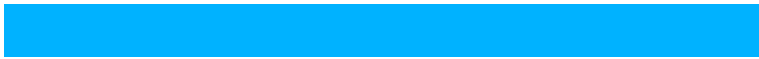
38.3104, 0.4761, 0.3721



52.2555, 0.2257, 0.2747

# 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.



38.3104, 0.1834, 0.2143



38.3104, 0.4761, 0.3721



38.3104, 0.1917, 0.3239

# Square

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



38.3104, 0.4761, 0.3721



38.3104, 0.3163, 0.4746



38.3104, 0.1725, 0.2524



38.3104, 0.2911, 0.2229



# Rectangle

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



38.3104, 0.4761, 0.3721



38.3104, 0.4161, 0.4631



38.3104, 0.1725, 0.2524



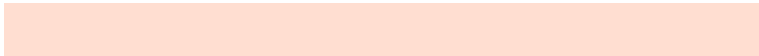
38.3104, 0.2067, 0.2058

# Sweetspot

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



38.3124, 0.4761, 0.3721



78.0448, 0.3455, 0.3420



32.2153, 0.3618, 0.2191



16.0291, 0.3519, 0.3443



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.



38.3124, 0.4761, 0.3721



34.8080, 0.5250, 0.3744



66.8911, 0.4204, 0.4442



17.2332, 0.3287, 0.3357



12.8971, 0.6014, 0.3607



1.2994, 0.5770, 0.3800



# Inverse Universe

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



52.2555, 0.2257, 0.2747



50.8548, 0.2135, 0.2613



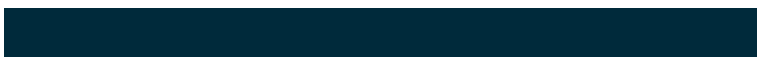
25.1060, 0.2025, 0.1732



17.9324, 0.2980, 0.3223



20.6955, 0.1988, 0.2358



1.9913, 0.2025, 0.2489



# Previews

## White Background



This preview shows how the Yxy color 38.3104, 0.4761, 0.3721 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 38.3104, 0.4761, 0.3721 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

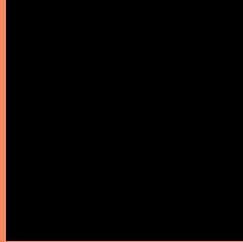
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.3104, 0.4761, 0.3721**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.3104, 0.4761, 0.3721.



This preview shows how white text looks on a background with the Yxy color 38.3104, 0.4761, 0.3721.

# 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

38.3104, 0.4761, 0.3721

### Protanopia

38.6231, 0.3818, 0.4129

### Deuteranopia

38.3718, 0.4230, 0.4147



## Tritanopia

38.2954, 0.4328, 0.3188

# Trichromacy



**Original Color**

38.3104, 0.4761, 0.3721

**Protanomaly**

37.7154, 0.4156, 0.3972

**Deuteranomaly**

37.9660, 0.4424, 0.3979

**Tritanomaly**

38.1868, 0.4502, 0.3389

# Monochromacy



**Original Color**

38.3104, 0.4761, 0.3721

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

36.8055, 0.3673, 0.3493

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.3104, 0.4761, 0.3721 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(246, 137, 95)` looks like.

```
.text, #text, p{  
    color:rgb(246, 137, 95)  
}
```

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(246, 137, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 137, 95) }
```

## Border

The CSS property to change the border of an element to Yxy 38.3104, 0.4761, 0.3721 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(246, 137, 95) }
```

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

```
.border{ border-color:rgb(246, 137, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 137, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 137, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 137, 95);  
box-shadow:4px 4px 4px 4px rgb(246, 137,  
95) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.3104, 0.4761, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 137, 95) }
```

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

```
.background{ background-color: rgb(246,  
137, 95) }
```

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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