

# Converting Colors

$Y_{xy}(37.7422, 0.4761, 0.3564)$

Have a look what the booklet for  
Yxy(37.7422, 0.4761, 0.3564)  
contains.

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# Color

**Yxy(37.7413, 0.4761, 0.3565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB8368
RGB	251, 131, 104
RGB Percent	98%, 51%, 41%
CMY	0.0156, 0.4863, 0.5922
CMYK	0.00, 0.48, 0.59, 0.02
HSL	11°, 95%, 70%
HSV	11°, 59%, 98%
XYZ	50.4029, 37.7413, 17.7220
YIQ	163.8020, 80.1870, 17.0430

# Conversions

## Conversions Part 2

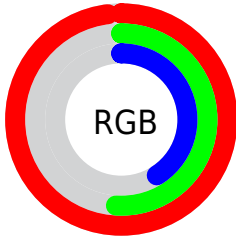
Format	Color
R <sub>Y</sub> B	251, 137, 104
Decimal	16483176
CIE Lab	67.83, 43.37, 35.34
CIE LCh	68, 55.946, 39.169
Yxy	37.7413, 0.4761, 0.3565
Android (android.graphics.Color)	4294673256 (0xFFFB8368)
YUV	163.8020, -29.4824, 76.4726
Hunter-Lab	61.4339, 38.9392, 25.9002

# Details

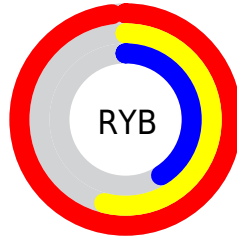
The Yxy color **37.7413, 0.4761, 0.3565** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **63.2257, 0.2328, 0.2956**, and the grayscale version is **37.1397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7781, 0.3976, 0.3607**, and **16.5531, 0.5238, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **32.3365, 0.5185, 0.3580**, and if you desaturate by 10%, it is **44.3902, 0.4365, 0.3530**.

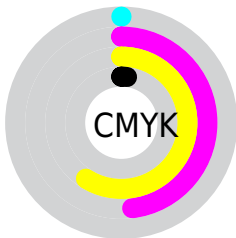
# Distribution



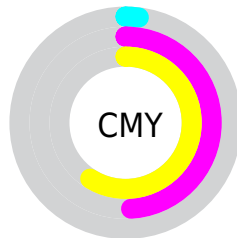
- Red (98%)
- Green (51%)
- Blue (41%)



- Red (98%)
- Yellow (54%)
- Blue (41%)



- Cyan (0%)
- Magenta (48%)
- Yellow (59%)
- Black (2%)




- Cyan (2%)
- Magenta (49%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7413, 0.4761, 0.3565 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 37.7413, 0.4761, 0.3565 by changing the saturation by 10% instead.





 37.7413, 0.4761,  
0.3565


 37.7413, 0.4761,  
0.3565


336.5089, 0.3917,  
0.3481


 25.7820, 0.4971,  
0.3565


 71.7114, 0.4453,  
0.3549


 16.6606, 0.5238,  
0.3552


 94.4910, 0.4337,  
0.3539

 9.9928, 0.5581,  
0.3511


 121.6462, 0.4239,  
0.3528

 5.3942, 0.6029,  
0.3412

 153.5613, 0.4156,  
0.3518

 2.4804, 0.6749,  
0.3251

190.6207, 0.4084,  
0.3508

 0.8668, 0.7323,  
0.2677

233.2088, 0.4021,

 0.0000, 1.0000,

0.3498

0.0000

281.7101, 0.3966,  
0.3489

0.0000, 0.0000,  
0.0000

37.7413, 0.4761,  
0.3565

37.7413, 0.4761,  
0.3565

32.3365, 0.5185,  
0.3580

44.3902, 0.4365,  
0.3530

28.0915, 0.5600,  
0.3567

52.3487, 0.4017,  
0.3483

24.9205, 0.5954,  
0.3519

61.6847, 0.3722,  
0.3431

22.7196, 0.6202,  
0.3444

72.4596, 0.3476,  
0.3379

22.4748, 0.6231,  
0.3435

84.7310, 0.3272,  
0.3330

98.5536, 0.3105,  
0.3284

99.2524, 0.3103,  
0.3290

# Harmonies

## Analogous

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



37.7413, 0.4340, 0.2980



37.7413, 0.4761, 0.3565



37.7413, 0.4652, 0.4168

# Triad

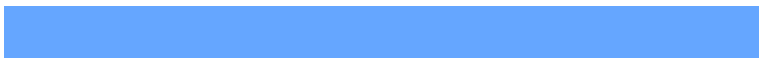
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.7413, 0.4761, 0.3565



37.7413, 0.2594, 0.4361



37.7413, 0.2088, 0.2042

# Complementary

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



37.7413, 0.4761, 0.3565



63.2257, 0.2328, 0.2956

# 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.



37.7413, 0.1762, 0.2197



37.7413, 0.4761, 0.3565



37.7413, 0.2006, 0.3471

# Square

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



37.7413, 0.4761, 0.3565



37.7413, 0.3370, 0.4828



37.7413, 0.1729, 0.2669



37.7413, 0.2704, 0.2150



# Rectangle

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



37.7413, 0.4761, 0.3565



37.7413, 0.4334, 0.4530



37.7413, 0.1729, 0.2669



37.7413, 0.1947, 0.2062

# Sweetspot

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



37.7433, 0.4761, 0.3565



75.7683, 0.3463, 0.3377



35.7962, 0.3456, 0.2126



15.4823, 0.3529, 0.3391



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.



37.7433, 0.4761, 0.3565



32.7875, 0.5248, 0.3580



64.9157, 0.4233, 0.4295



17.7408, 0.3289, 0.3334



11.9627, 0.6207, 0.3453



1.2434, 0.5997, 0.3621



# Inverse Universe

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



63.2257, 0.2328, 0.2956



61.1327, 0.2226, 0.2880



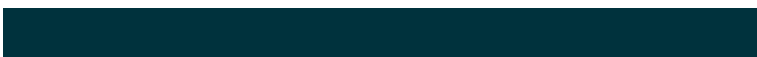
31.8968, 0.2111, 0.1973



19.0345, 0.2980, 0.3245



26.7852, 0.2081, 0.2691



2.6167, 0.2103, 0.2770



# Previews

## White Background



This preview shows how the Yxy color 37.7413, 0.4761, 0.3565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

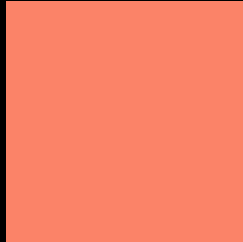
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.7413, 0.4761, 0.3565 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 37.7413, 0.4761, 0.3565**

## Background



This preview shows how black text looks on a background with the Yxy color 37.7413, 0.4761, 0.3565.



This preview shows how white text looks on a background with the Yxy color 37.7413, 0.4761, 0.3565.

# 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

37.7413, 0.4761, 0.3565

### Protanopia

38.1641, 0.3686, 0.3963

### Deuteranopia

37.7721, 0.4129, 0.4044



## Tritanopia

37.8390, 0.4445, 0.3201

# Trichromacy



**Original Color**

37.7413, 0.4761, 0.3565

**Protanomaly**

36.9539, 0.4070, 0.3803

**Deuteranomaly**

37.1795, 0.4364, 0.3849

**Tritanomaly**

37.5890, 0.4570, 0.3335

# Monochromacy



**Original Color**

37.7413, 0.4761, 0.3565

**Achromatopsia**

37.1238, 0.3127, 0.3290

**Achromatomaly**

36.1452, 0.3684, 0.3425

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.7413, 0.4761, 0.3565 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(251, 131, 104)` looks like.

```
.text, #text, p{  
    color:rgb(251, 131, 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(251, 131, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 131, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 37.7413, 0.4761, 0.3565 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(251, 131, 104) }
```

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

```
.border{ border-color:rgb(251, 131, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 131, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 131, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 131, 104);  
box-shadow:4px 4px 4px 4px rgb(251, 131,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.7413, 0.4761, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 131, 104) }
```

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

```
.background{ background-color: rgb(251,  
131, 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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