

# Converting Colors

$Y_{xy}(38.1366, 0.5091, 0.3401)$

Have a look what the booklet for  
Yxy(38.1366, 0.5091, 0.3401)  
contains.

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# Color

**Yxy(34.2539, 0.4942, 0.3409)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7266
RGB	255, 114, 102
RGB Percent	100%, 45%, 40%
CMY	0.0000, 0.5529, 0.5999
CMYK	0.00, 0.55, 0.60, 0.00
HSL	5°, 100%, 70%
HSV	5°, 60%, 100%
XYZ	49.6576, 34.2539, 16.5693
YIQ	154.7910, 87.8880, 26.1600

# Conversions

## Conversions Part 2

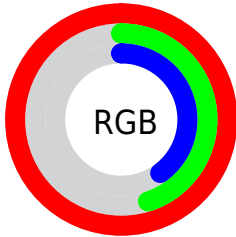
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 115, 102
Decimal	16740966
CIE Lab	65.16, 52.86, 33.16
CIE LCh	65, 62.401, 32.101
Yxy	34.2539, 0.4942, 0.3409
Android (android.graphics.Color)	4294931046 (0xFFFF7266)
YUV	154.7910, -26.0260, 87.8833
Hunter-Lab	58.5268, 49.0279, 24.1834

# Details

The Yxy color **34.2539, 0.4942, 0.3409** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **74.1563, 0.2358, 0.3146**, and the grayscale version is **32.7702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9358, 0.4077, 0.3461**, and **14.6102, 0.5481, 0.3338** is the 20% darker color. If you saturate the color by 10%, you get **29.1861, 0.5406, 0.3411**, and if you desaturate by 10%, it is **40.8411, 0.4501, 0.3396**.

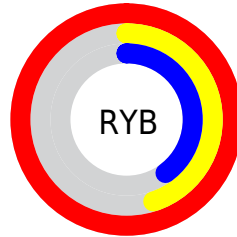
# Distribution



Red (100%)

Green (45%)

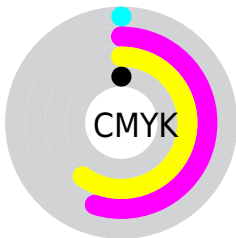
Blue (40%)



Red (100%)

Yellow (45%)

Blue (40%)

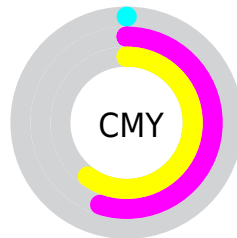


Cyan (0%)

Magenta (55%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (55%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.2539, 0.4942, 0.3409 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 34.2539, 0.4942, 0.3409 by changing the saturation by 10% instead.





 34.2539, 0.4942,  
0.3409


 34.2539, 0.4942,  
0.3409


321.2627, 0.3991,  
0.3412

 23.0887, 0.5183,  
0.3385


 66.3283, 0.4591,  
0.3427


 14.6590, 0.5490,  
0.3339


 88.0063, 0.4460,  
0.3428

 8.5804, 0.5888,  
0.3251


 113.9574, 0.4350,  
0.3428

 4.4685, 0.6418,  
0.3088

 144.5660, 0.4257,  
0.3425

 1.9390, 0.7201,  
0.2799

180.2164, 0.4176,  
0.3422

 0.5716, 0.7991,  
0.2009

221.2930, 0.4106,

 0.0000, 1.0000,

0.3419

0.0000

268.1804, 0.4045,  
0.3415

■ 0.0000, 0.0000,  
0.0000

■ 34.2539, 0.4942,  
0.3409

■ 34.2539, 0.4942,  
0.3409

■ 29.1861, 0.5406,  
0.3411

■ 40.8411, 0.4501,  
0.3396

■ 25.5133, 0.5838,  
0.3397

■ 49.0529, 0.4113,  
0.3377

■ 23.0965, 0.6169,  
0.3368

■ 58.9884, 0.3786,  
0.3355

■ 21.7601, 0.6357,  
0.3334

■ 70.7382, 0.3519,  
0.3332

■ 21.7595, 0.6357,  
0.3334

■ 84.3864, 0.3302,  
0.3310

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.



34.2539, 0.4329, 0.2785



34.2539, 0.4942, 0.3409



34.2539, 0.4932, 0.4080

# Triad

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



34.2539, 0.4942, 0.3409



34.2539, 0.2695, 0.4745



34.2539, 0.1843, 0.1902

# Complementary

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



34.2539, 0.4942, 0.3409



74.1563, 0.2358, 0.3146

# 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.



34.2539, 0.1563, 0.2136



34.2539, 0.4942, 0.3409



34.2539, 0.1975, 0.3745

# Square

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



34.2539, 0.4942, 0.3409



34.2539, 0.3584, 0.5083



34.2539, 0.1596, 0.2746



34.2539, 0.2448, 0.1963



# Rectangle

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



34.2539, 0.4942, 0.3409



34.2539, 0.4622, 0.4522



34.2539, 0.1596, 0.2746



34.2539, 0.1715, 0.1944

# Sweetspot

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



34.2549, 0.4942, 0.3409



73.3040, 0.3472, 0.3328



37.3468, 0.3288, 0.1966



14.8936, 0.3541, 0.3334



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.



34.2549, 0.4942, 0.3409



28.3411, 0.5497, 0.3409



58.4893, 0.4385, 0.4152



18.2155, 0.3293, 0.3309



11.4500, 0.6344, 0.3345



1.1900, 0.6223, 0.3441



# Inverse Universe

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



74.1563, 0.2358, 0.3146



71.2587, 0.2273, 0.3113



38.1659, 0.2139, 0.2172



20.2235, 0.2980, 0.3271



34.9283, 0.2179, 0.3043



3.4702, 0.2187, 0.3073



# Previews

## White Background



This preview shows how the Yxy color 34.2539, 0.4942, 0.3409 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

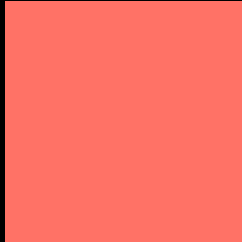
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.2539, 0.4942, 0.3409 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 34.2539, 0.4942, 0.3409**

## Background



This preview shows how black text looks on a background with the Yxy color 34.2539, 0.4942, 0.3409.



This preview shows how white text looks on a background with the Yxy color 34.2539, 0.4942, 0.3409.

# 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

34.2539, 0.4942, 0.3409

### Protanopia

34.3558, 0.3607, 0.3849

### Deuteranopia

34.1659, 0.4121, 0.4038



## Tritanopia

34.2044, 0.4742, 0.3216

# Trichromacy



**Original Color**

34.2539, 0.4942, 0.3409

**Protanomaly**

32.9558, 0.4094, 0.3672

**Deuteranomaly**

33.5059, 0.4429, 0.3774

**Tritanomaly**

34.2625, 0.4821, 0.3295

# Monochromacy



**Original Color**

34.2539, 0.4942, 0.3409

**Achromatopsia**

32.7778, 0.3127, 0.3290

**Achromatomaly**

31.6101, 0.3738, 0.3347

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.2539, 0.4942, 0.3409 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, 114, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 102)  
}
```

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, 114, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 34.2539, 0.4942, 0.3409 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, 114, 102) }
```

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

```
.border{ border-color:rgb(255, 114, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 114, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.2539, 0.4942, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 102) }
```

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

```
.background{ background-color: rgb(255,  
114, 102) }
```

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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