

# Converting Colors

$Y_{xy}(33.8683, 0.4922, 0.3362)$

Have a look what the booklet for  
Yxy(33.8683, 0.4922, 0.3362)  
contains.

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# Color

**Yxy(33.8683, 0.4922, 0.3362)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7069
RGB	255, 112, 105
RGB Percent	100%, 44%, 41%
CMY	0.0000, 0.5607, 0.5883
CMYK	0.00, 0.56, 0.59, 0.00
HSL	3°, 100%, 71%
HSV	3°, 59%, 100%
XYZ	49.5835, 33.8683, 17.2867
YIQ	153.9590, 87.4750, 28.1390

# Conversions

## Conversions Part 2

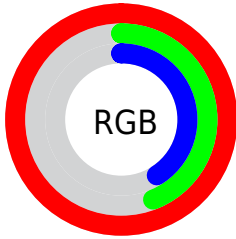
Format	Color
R <sub>Y</sub> B	255, 112, 105
Decimal	16740457
CIE Lab	64.86, 53.98, 31.11
CIE LCh	65, 62.303, 29.960
Yxy	33.8683, 0.4922, 0.3362
Android (android.graphics.Color)	4294930537 (0xFFFF7069)
YUV	153.9590, -24.1368, 88.6130
Hunter-Lab	58.1965, 50.2385, 23.1260

# Details

The Yxy color **33.8683, 0.4922, 0.3362** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **77.3471, 0.2380, 0.3206**, and the grayscale version is **32.3767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6656, 0.4053, 0.3419**, and **14.4713, 0.5473, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **28.7623, 0.5395, 0.3364**, and if you desaturate by 10%, it is **40.5826, 0.4475, 0.3354**.

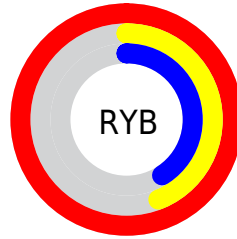
# Distribution



Red (100%)

Green (44%)

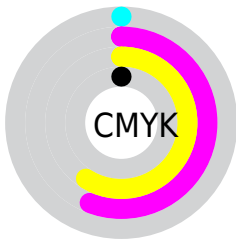
Blue (41%)



Red (100%)

Yellow (44%)

Blue (41%)

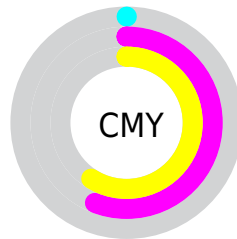


Cyan (0%)

Magenta (56%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (56%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8683, 0.4922, 0.3362 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 33.8683, 0.4922, 0.3362 by changing the saturation by 10% instead.





 33.8683, 0.4922,  
0.3362


 33.8683, 0.4922,  
0.3362


319.5444, 0.3978,  
0.3385

 22.7924, 0.5163,  
0.3334


 65.7288, 0.4573,  
0.3386

 14.4403, 0.5472,  
0.3284


 87.2823, 0.4443,  
0.3391

 8.4275, 0.5874,  
0.3193


 113.0970, 0.4334,  
0.3392

 4.3697, 0.6409,  
0.3023

 143.5575, 0.4241,  
0.3392

 1.8825, 0.7253,  
0.2747

179.0481, 0.4162,  
0.3391

 0.5378, 0.8081,  
0.1919

219.9532, 0.4092,

 0.0000, 1.0000,

0.3389

0.0000

266.6571, 0.4032,  
0.3387

■ 0.0000, 0.0000,  
0.0000

■ 33.8683, 0.4922,  
0.3362

■ 33.8683, 0.4922,  
0.3362

■ 28.7623, 0.5395,  
0.3364

■ 40.5826, 0.4475,  
0.3354

■ 25.1251, 0.5838,  
0.3356

■ 49.0186, 0.4085,  
0.3342

■ 22.8028, 0.6177,  
0.3339

■ 59.2857, 0.3759,  
0.3328

■ 21.6018, 0.6363,  
0.3318

■ 71.4828, 0.3494,  
0.3314

■ 21.5209, 0.6378,  
0.3318

■ 85.7017, 0.3280,  
0.3301

99.9997, 0.3127,  
0.3290

# Harmonies

## Analogous

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



33.8683, 0.4269, 0.2742



33.8683, 0.4922, 0.3362



33.8683, 0.4956, 0.4032

# Triad

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



33.8683, 0.4922, 0.3362



33.8683, 0.2755, 0.4800



33.8683, 0.1810, 0.1905

# Complementary

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



33.8683, 0.4922, 0.3362



77.3471, 0.2380, 0.3206

# 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.



33.8683, 0.1552, 0.2164



33.8683, 0.4922, 0.3362



33.8683, 0.2014, 0.3825

# Square

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



33.8683, 0.4922, 0.3362



33.8683, 0.3647, 0.5080



33.8683, 0.1609, 0.2804



33.8683, 0.2392, 0.1947



# Rectangle

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



33.8683, 0.4922, 0.3362



33.8683, 0.4666, 0.4478



33.8683, 0.1609, 0.2804



33.8683, 0.1689, 0.1955

# Sweetspot

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



33.8702, 0.4922, 0.3362



72.5796, 0.3474, 0.3313



38.2638, 0.3237, 0.1949



14.7212, 0.3545, 0.3317



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.



33.8702, 0.4922, 0.3362



27.8515, 0.5497, 0.3363



56.9761, 0.4390, 0.4092



18.1232, 0.3293, 0.3302



11.3030, 0.6368, 0.3325



1.1464, 0.6292, 0.3386



# Inverse Universe

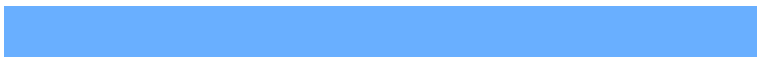
The Inverse Universe completely reimagines the original color for something new.



77.3471, 0.2380, 0.3206



74.9096, 0.2296, 0.3186



40.8814, 0.2172, 0.2265



20.3272, 0.2980, 0.3278



37.3536, 0.2207, 0.3143



3.6801, 0.2211, 0.3161



# Previews

## White Background



This preview shows how the Yxy color 33.8683, 0.4922, 0.3362 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 33.8683, 0.4922, 0.3362 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 33.8683, 0.4922, 0.3362**

## Background



This preview shows how black text looks on a background with the Yxy color 33.8683, 0.4922, 0.3362.



This preview shows how white text looks on a background with the Yxy color 33.8683, 0.4922, 0.3362.

# 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

33.8683, 0.4922, 0.3362

### Protanopia

33.8940, 0.3551, 0.3780

### Deuteranopia

34.0914, 0.4082, 0.4004



## Tritanopia

33.9369, 0.4772, 0.3227

# Trichromacy



## Original Color

33.8683, 0.4922, 0.3362

## Protanomaly

32.6135, 0.4045, 0.3609

## Deuteranomaly

33.1270, 0.4395, 0.3730

## Tritanomaly

33.8211, 0.4834, 0.3276

# Monochromacy



## Original Color

33.8683, 0.4922, 0.3362

## Achromatopsia

32.3143, 0.3127, 0.3290

## Achromatomaly

31.3192, 0.3742, 0.3333

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.8683, 0.4922, 0.3362 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, 112, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 105)  
}
```

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, 112, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 33.8683, 0.4922, 0.3362 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, 112, 105) }
```

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

```
.border{ border-color:rgb(255, 112, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.8683, 0.4922, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 105) }
```

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

```
.background{ background-color: rgb(255,  
112, 105) }
```

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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