

# Converting Colors

$Y_{xy}(33.6709, 0.4631, 0.3364)$

Have a look what the booklet for  
Yxy(33.6709, 0.4631, 0.3364)  
contains.

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# Color

**Yxy(33.7669, 0.4638, 0.3368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F27972
RGB	242, 121, 114
RGB Percent	95%, 47%, 45%
CMY	0.0509, 0.5255, 0.5529
CMYK	0.00, 0.50, 0.53, 0.05
HSL	3°, 83%, 70%
HSV	3°, 53%, 95%
XYZ	46.4997, 33.7669, 19.9914
YIQ	156.3810, 74.3630, 23.4750

# Conversions

## Conversions Part 2

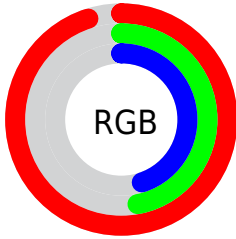
Format	Color
R <sub>Y</sub> B	242, 121, 114
Decimal	15890802
CIE Lab	64.78, 45.80, 25.60
CIE LCh	65, 52.470, 29.200
Yxy	33.7669, 0.4638, 0.3368
Android (android.graphics.Color)	4294080882 (0xFFFF27972)
YUV	156.3810, -20.8938, 75.0879
Hunter-Lab	58.1093, 41.1463, 20.2789

# Details

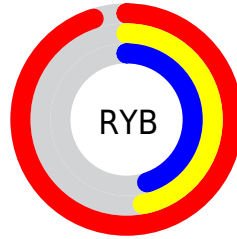
The Yxy color **33.7669, 0.4638, 0.3368** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **69.4386, 0.2431, 0.3203**, and the grayscale version is **33.4954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0638, 0.3927, 0.3398**, and **14.3513, 0.5115, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **28.3713, 0.5096, 0.3375**, and if you desaturate by 10%, it is **40.6308, 0.4227, 0.3355**.

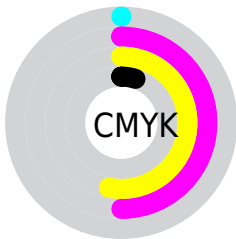
# Distribution



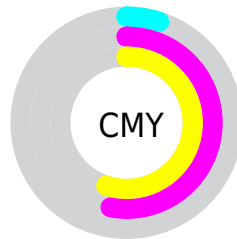
- Red (95%)
- Green (47%)
- Blue (45%)



- Red (95%)
- Yellow (47%)
- Blue (45%)



- Cyan (0%)
- Magenta (50%)
- Yellow (53%)
- Black (5%)



- Cyan (5%)
- Magenta (53%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7669, 0.4638, 0.3368 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 33.7669, 0.4638, 0.3368 by changing the saturation by 10% instead.





 33.7669, 0.4638,  
0.3368


 33.7669, 0.4638,  
0.3368


319.0914, 0.3838,  
0.3369

 22.7146, 0.4847,  
0.3352


 65.5710, 0.4339,  
0.3380

 14.3829, 0.5118,  
0.3321


 87.0916, 0.4229,  
0.3380

 8.3875, 0.5481,  
0.3261


 112.8704, 0.4137,  
0.3380

 4.3439, 0.5980,  
0.3141

 143.2918, 0.4059,  
0.3378

 1.8677, 0.6982,  
0.3018

178.7402, 0.3992,  
0.3376

 0.5289, 0.7810,  
0.2190

219.6000, 0.3934,

 0.0000, 1.0000,

0.3374


0.0000


266.2556, 0.3883,  
0.3372

 0.0000, 0.0000,  
0.0000


 33.7669, 0.4638,  
0.3368


 33.7669, 0.4638,  
0.3368


 28.3713, 0.5096,  
0.3375


 40.6308, 0.4227,  
0.3355


 24.3322, 0.5563,  
0.3373


 49.0538, 0.3879,  
0.3340


 21.5305, 0.5973,  
0.3360


 59.1252, 0.3592,  
0.3324

 19.8236, 0.6258,  
0.3337

 70.9266, 0.3360,  
0.3309

 19.1740, 0.6372,  
0.3323

 84.5336, 0.3174,  
0.3294

 97.6216, 0.3048,  
0.3290

# Harmonies

## Analogous

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



33.7669, 0.4074, 0.2814



33.7669, 0.4638, 0.3368



33.7669, 0.4705, 0.3961

# Triad

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



33.7669, 0.4638, 0.3368



33.7669, 0.2851, 0.4546



33.7669, 0.1974, 0.2090

# Complementary

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



33.7669, 0.4638, 0.3368



69.4386, 0.2431, 0.3203

# 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.



33.7669, 0.1749, 0.2341



33.7669, 0.4638, 0.3368



33.7669, 0.2194, 0.3768

# Square

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



33.7669, 0.4638, 0.3368



33.7669, 0.3625, 0.4796



33.7669, 0.1816, 0.2916



33.7669, 0.2486, 0.2114



# Rectangle

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



33.7669, 0.4638, 0.3368



33.7669, 0.4482, 0.4338



33.7669, 0.1816, 0.2916



33.7669, 0.1867, 0.2140

# Sweetspot

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



33.7687, 0.4638, 0.3368



75.4533, 0.3428, 0.3313



36.9545, 0.3246, 0.2078



15.5560, 0.3475, 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.



33.7687, 0.4638, 0.3368



31.7944, 0.5110, 0.3375



54.5532, 0.4217, 0.4044



15.8968, 0.3292, 0.3303



10.3580, 0.6361, 0.3331



0.9100, 0.6260, 0.3412



# Inverse Universe

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



69.4386, 0.2431, 0.3203



75.6834, 0.2345, 0.3184



39.3518, 0.2260, 0.2361



17.7728, 0.2981, 0.3277



33.5627, 0.2200, 0.3119



2.8368, 0.2207, 0.3143



# Previews

## White Background



This preview shows how the Yxy color 33.7669, 0.4638, 0.3368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

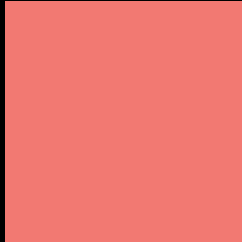
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.7669, 0.4638, 0.3368 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 33.7669, 0.4638, 0.3368**

## Background



This preview shows how black text looks on a background with the Yxy color 33.7669, 0.4638, 0.3368.

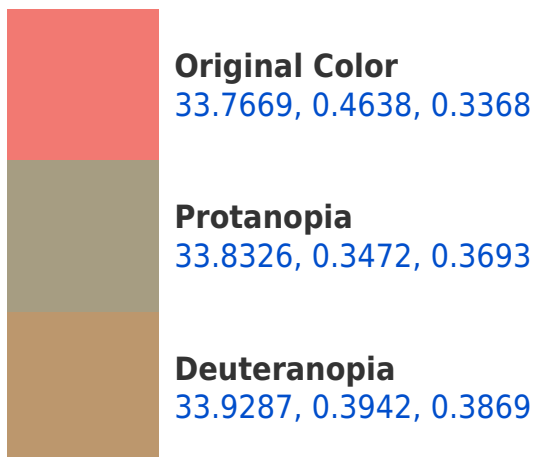


This preview shows how white text looks on a background with the Yxy color 33.7669, 0.4638, 0.3368.

# 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

33.7806, 0.4502, 0.3209

# Trichromacy



## Original Color

33.7669, 0.4638, 0.3368

## Protanomaly

32.8711, 0.3887, 0.3563

## Deuteranomaly

33.3138, 0.4203, 0.3660

## Tritanomaly

33.8928, 0.4557, 0.3273

# Monochromacy



## Original Color

33.7669, 0.4638, 0.3368

## Achromatopsia

33.2452, 0.3127, 0.3290

## Achromatomaly

32.1328, 0.3628, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.7669, 0.4638, 0.3368 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(242, 121, 114)` looks like.

```
.text, #text, p{  
    color:rgb(242, 121, 114)  
}
```

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(242, 121, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 121, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 33.7669, 0.4638, 0.3368 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(242, 121, 114) }
```

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

```
.border{ border-color:rgb(242, 121, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 121, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 121, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 121, 114);  
box-shadow:4px 4px 4px 4px rgb(242, 121,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.7669, 0.4638, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 121, 114) }
```

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

```
.background{ background-color: rgb(242,  
121, 114) }
```

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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