

Converting Colors

$Y_{xy}(33.8425, 0.4982, 0.3416)$

Have a look what the booklet for
Yxy(33.8425, 0.4982, 0.3416)
contains.

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Color

Yxy(33.7684, 0.4979, 0.3408)

Conversions

Conversions Part 1

Format	Color
Hex	FF7064
RGB	255, 112, 100
RGB Percent	100%, 44%, 39%
CMY	0.0000, 0.5608, 0.6077
CMYK	0.00, 0.56, 0.61, 0.00
HSL	5°, 100%, 70%
HSV	5°, 61%, 100%
XYZ	49.3348, 33.7684, 15.9825
YIQ	153.3890, 89.0800, 26.5840

Conversions

Conversions Part 2

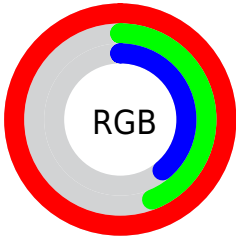
Format	Color
R_{YB}	255, 113, 100
Decimal	16740452
CIE _{Lab}	64.78, 53.65, 33.77
CIE _{LCh}	65, 63.392, 32.191
Yxy	33.7684, 0.4979, 0.3408
Android (android.graphics.Color)	4294930532 (0xFFFF7064)
YUV	153.3890, -26.3208, 89.1128
Hunter-Lab	58.1106, 49.8495, 24.3705

Details

The Yxy color **33.7684, 0.4979, 0.3408** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **74.0447, 0.2352, 0.3146**, and the grayscale version is **32.1243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4996, 0.4101, 0.3472**, and **14.2919, 0.5539, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **28.8193, 0.5443, 0.3408**, and if you desaturate by 10%, it is **40.2320, 0.4534, 0.3396**.

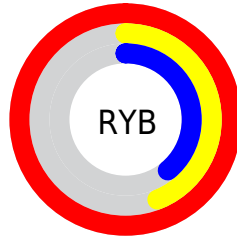
Distribution



Red (100%)

Green (44%)

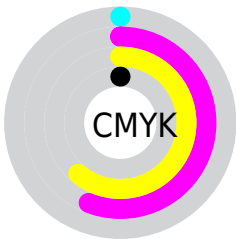
Blue (39%)



Red (100%)

Yellow (44%)

Blue (39%)

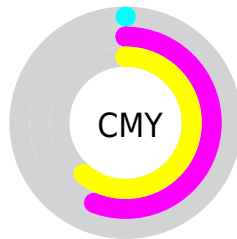


Cyan (0%)

Magenta (56%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (56%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7684, 0.4979, 0.3408 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 33.7684, 0.4979, 0.3408 by changing the saturation by 10% instead.


 33.7684, 0.4979,
0.3408

 33.7684, 0.4979,
0.3408


319.0981, 0.4007,
0.3414


 22.7157, 0.5225,
0.3382


 65.5734, 0.4620,
0.3428

 14.3837, 0.5538,
0.3332


 87.0944, 0.4487,
0.3430

 8.3881, 0.5943,
0.3239


 112.8738, 0.4375,
0.3429

 4.3442, 0.6488,
0.3070

 143.2957, 0.4279,
0.3427

 1.8679, 0.7247,
0.2753

178.7448, 0.4197,
0.3424

 0.5290, 0.8085,
0.1915

219.6053, 0.4125,


 0.0000, 1.0000,

0.3421


0.0000


266.2616, 0.4062,
0.3417


 0.0000, 0.0000,
0.0000


 33.7684, 0.4979,
0.3408


 33.7684, 0.4979,
0.3408


 28.8193, 0.5443,
0.3408


 40.2320, 0.4534,
0.3396

 25.2562, 0.5870,
0.3394


 48.3139, 0.4141,
0.3378

 22.9385, 0.6190,
0.3364

 58.1154, 0.3810,
0.3356

 21.7493, 0.6358,
0.3334

 69.7278, 0.3538,
0.3333

 83.2359, 0.3317,
0.3312

98.7192, 0.3139,
0.3291

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



33.7684, 0.4356, 0.2776



33.7684, 0.4979, 0.3408



33.7684, 0.4963, 0.4088

Triad

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



33.7684, 0.4979, 0.3408



33.7684, 0.2681, 0.4777



33.7684, 0.1823, 0.1879

Complementary

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



33.7684, 0.4979, 0.3408



74.0447, 0.2352, 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.



33.7684, 0.1539, 0.2113



33.7684, 0.4979, 0.3408



33.7684, 0.1951, 0.3749

Square

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



33.7684, 0.4979, 0.3408



33.7684, 0.3584, 0.5121



33.7684, 0.1570, 0.2729



33.7684, 0.2437, 0.1942

Rectangle

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



33.7684, 0.4979, 0.3408



33.7684, 0.4643, 0.4539



33.7684, 0.1570, 0.2729



33.7684, 0.1693, 0.1920

Sweetspot

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



33.7703, 0.4979, 0.3408



73.2795, 0.3472, 0.3327



36.9522, 0.3290, 0.1954



14.8878, 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.



33.7703, 0.4979, 0.3408



27.9104, 0.5544, 0.3407



58.0805, 0.4405, 0.4160



18.2124, 0.3293, 0.3309



11.4443, 0.6345, 0.3344



1.1886, 0.6225, 0.3439

Inverse Universe

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



74.0447, 0.2352, 0.3146



71.1624, 0.2267, 0.3113



37.6358, 0.2127, 0.2154



20.2270, 0.2980, 0.3271



35.0081, 0.2180, 0.3046



3.4771, 0.2188, 0.3076

Previews

White Background



This preview shows how the Yxy color 33.7684, 0.4979, 0.3408 looks on a white background.

Color Contrast Check

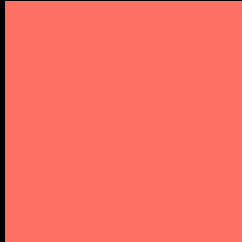
Large Text (above 18pt) WCAG AA × Fail

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 33.7684, 0.4979, 0.3408 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 33.7684, 0.4979, 0.3408

Background



This preview shows how black text looks on a background with the Yxy color 33.7684, 0.4979, 0.3408.



This preview shows how white text looks on a background with the Yxy color 33.7684, 0.4979, 0.3408.

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

33.7684, 0.4979, 0.3408

Protanopia

33.8809, 0.3610, 0.3852

Deuteranopia

33.6794, 0.4136, 0.4053



Tritanopia

33.6962, 0.4791, 0.3227

Trichromacy



Original Color

33.7684, 0.4979, 0.3408

Protanomaly

32.4990, 0.4100, 0.3674

Deuteranomaly

32.7490, 0.4455, 0.3775

Tritanomaly

33.7766, 0.4858, 0.3295

Monochromacy



Original Color

33.7684, 0.4979, 0.3408

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.8453, 0.3757, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7684, 0.4979, 0.3408 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 100) }
```

Border

The CSS property to change the border of an element to Yxy 33.7684, 0.4979, 0.3408 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, 100) }
```

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

```
.border{ border-color:rgb(255, 112, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7684, 0.4979, 0.3408 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, 100) }
```

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

```
.background{ background-color: rgb(255,  
112, 100) }
```

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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