

Converting Colors

$Y_{xy}(40.4155, 0.4759, 0.3365)$

Have a look what the booklet for
Yxy(40.4155, 0.4759, 0.3365)
contains.

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Color

Yxy(37.7948, 0.4649, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	FF7F78
RGB	255, 127, 120
RGB Percent	100%, 50%, 47%
CMY	0.0000, 0.5019, 0.5295
CMYK	0.00, 0.50, 0.53, 0.00
HSL	3°, 100%, 74%
HSV	3°, 53%, 100%
XYZ	52.2164, 37.7948, 22.3062
YIQ	164.4740, 78.5350, 24.9590

Conversions

Conversions Part 2

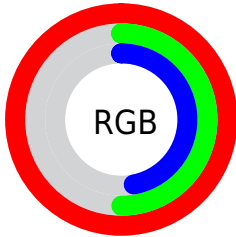
Format	Color
R _Y B	255, 127, 120
Decimal	16744312
CIE Lab	67.87, 48.00, 26.70
CIE LCh	68, 54.927, 29.085
Yxy	37.7948, 0.4649, 0.3365
Android (android.graphics.Color)	4294934392 (0xFFFF7F78)
YUV	164.4740, -21.9257, 79.3913
Hunter-Lab	61.4775, 44.0247, 21.5217

Details

The Yxy color **37.7948, 0.4649, 0.3365** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **78.3199, 0.2430, 0.3206**, and the grayscale version is **37.4422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6945, 0.3852, 0.3397**, and **16.6894, 0.5125, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **31.7449, 0.5110, 0.3372**, and if you desaturate by 10%, it is **45.5108, 0.4235, 0.3353**.

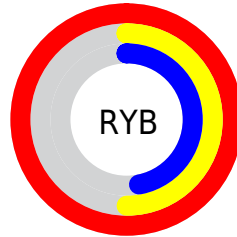
Distribution



Red (100%)

Green (50%)

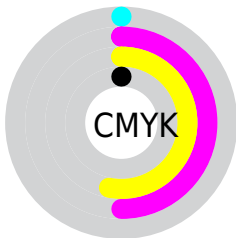
Blue (47%)



Red (100%)

Yellow (50%)

Blue (47%)

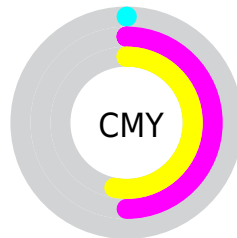


Cyan (0%)

Magenta (50%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (50%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7948, 0.4649, 0.3365 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 37.7948, 0.4649, 0.3365 by changing the saturation by 10% instead.


 37.7948, 0.4649,
0.3365


 37.7948, 0.4649,
0.3365


336.7389, 0.3858,
0.3369


 25.8235, 0.4851,
0.3349


 71.7935, 0.4357,
0.3377

 16.6916, 0.5110,
0.3319


 94.5897, 0.4249,
0.3379

 10.0149, 0.5451,
0.3264


 121.7629, 0.4157,
0.3378

 5.4088, 0.5913,
0.3156

153.6976, 0.4080,
0.3377

 2.4891, 0.6666,
0.2989

190.7782, 0.4013,
0.3376

 0.8712, 0.7499,
0.2501

233.3890, 0.3954,

 0.0000, 1.0000,

0.3374

0.0000

281.9144, 0.3903,
0.3371

■ 0.0000, 0.0000,
0.0000

■ 37.7948, 0.4649,
0.3365

■ 37.7948, 0.4649,
0.3365

■ 31.7449, 0.5110,
0.3372

■ 45.5108, 0.4235,
0.3353

■ 27.2329, 0.5578,
0.3369

■ 54.9970, 0.3884,
0.3338

■ 24.1218, 0.5987,
0.3356

■ 66.3559, 0.3596,
0.3323

■ 22.2475, 0.6267,
0.3334

■ 79.6805, 0.3362,
0.3308

■ 21.5535, 0.6375,
0.3320

■ 95.0576, 0.3175,
0.3294

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



37.7948, 0.4079, 0.2808



37.7948, 0.4649, 0.3365



37.7948, 0.4717, 0.3961

Triad

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



37.7948, 0.4649, 0.3365



37.7948, 0.2851, 0.4560



37.7948, 0.1964, 0.2082

Complementary

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



37.7948, 0.4649, 0.3365



78.3199, 0.2430, 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.



37.7948, 0.1739, 0.2335



37.7948, 0.4649, 0.3365



37.7948, 0.2189, 0.3775

Square

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



37.7948, 0.4649, 0.3365



37.7948, 0.3631, 0.4808



37.7948, 0.1807, 0.2915



37.7948, 0.2478, 0.2105

Rectangle

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



37.7948, 0.4649, 0.3365



37.7948, 0.4493, 0.4342



37.7948, 0.1807, 0.2915



37.7948, 0.1857, 0.2133

Sweetspot

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



37.7968, 0.4649, 0.3365



75.4040, 0.3428, 0.3312



41.4792, 0.3247, 0.2074



15.5444, 0.3475, 0.3315



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.



37.7968, 0.4649, 0.3365



31.2017, 0.5160, 0.3372



61.3032, 0.4223, 0.4046



18.1387, 0.3293, 0.3303



11.3251, 0.6365, 0.3328



1.1537, 0.6280, 0.3395

Inverse Universe

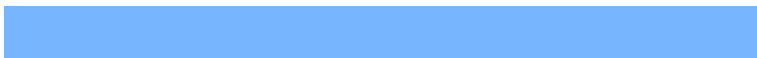
The Inverse Universe completely reimagines the original color for something new.



78.3199, 0.2430, 0.3206



75.6996, 0.2339, 0.3187



44.1518, 0.2256, 0.2357



20.3096, 0.2980, 0.3277



36.9368, 0.2202, 0.3126



3.6441, 0.2207, 0.3146

Previews

White Background



This preview shows how the Yxy color 37.7948, 0.4649, 0.3365 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 37.7948, 0.4649, 0.3365 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 37.7948, 0.4649, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 37.7948, 0.4649, 0.3365.



This preview shows how white text looks on a background with the Yxy color 37.7948, 0.4649, 0.3365.

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

37.7948, 0.4649, 0.3365

Protanopia

37.8304, 0.3476, 0.3688

Deuteranopia

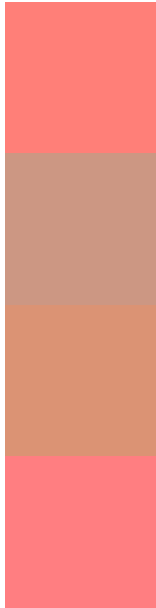
38.0169, 0.3953, 0.3881



Tritanopia

37.9029, 0.4492, 0.3213

Trichromacy



Original Color

37.7948, 0.4649, 0.3365

Protanomaly

36.6093, 0.3886, 0.3551

Deuteranomaly

37.1885, 0.4219, 0.3666

Tritanomaly

37.7667, 0.4551, 0.3264

Monochromacy



Original Color

37.7948, 0.4649, 0.3365

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.1417, 0.3635, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7948, 0.4649, 0.3365 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, 127, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 120)  
}
```

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, 127, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 120) }
```

Border

The CSS property to change the border of an element to Yxy 37.7948, 0.4649, 0.3365 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, 127, 120) }
```

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

```
.border{ border-color:rgb(255, 127, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 127, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7948, 0.4649, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 120) }
```

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

```
.background{ background-color: rgb(255,  
127, 120) }
```

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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