

Converting Colors

$Y_{xy}(39.5809, 0.4755, 0.3348)$

Have a look what the booklet for
Yxy(39.5809, 0.4755, 0.3348)
contains.

Yxy(37.5378, 0.4655, 0.3355)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5378, 0.4655, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	FF7E78
RGB	255, 126, 120
RGB Percent	100%, 49%, 47%
CMY	0.0001, 0.5058, 0.5295
CMYK	0.00, 0.51, 0.53, 0.00
HSL	3°, 100%, 74%
HSV	3°, 53%, 100%
XYZ	52.0830, 37.5378, 22.2653
YIQ	163.8870, 78.8100, 25.4820

Conversions

Conversions Part 2

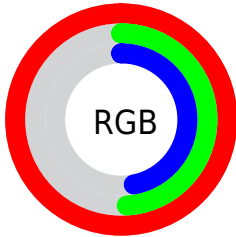
Format	Color
R _Y B	255, 126, 120
Decimal	16744056
CIE Lab	67.68, 48.47, 26.44
CIE LCh	68, 55.217, 28.615
Yxy	37.5378, 0.4655, 0.3355
Android (android.graphics.Color)	4294934136 (0xFFFF7E78)
YUV	163.8870, -21.6363, 79.9061
Hunter-Lab	61.2681, 44.5207, 21.3412

Details

The Yxy color **37.5378, 0.4655, 0.3355** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **78.9187, 0.2432, 0.3218**, and the grayscale version is **37.1477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2863, 0.3855, 0.3387**, and **16.5590, 0.5134, 0.3308** is the 20% darker color. If you saturate the color by 10%, you get **31.5105, 0.5119, 0.3361**, and if you desaturate by 10%, it is **45.2500, 0.4239, 0.3345**.

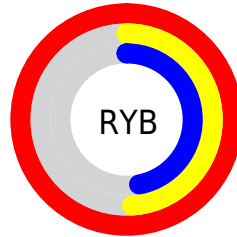
Distribution



Red (100%)

Green (49%)

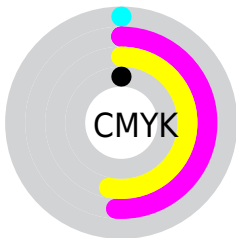
Blue (47%)



Red (100%)

Yellow (49%)

Blue (47%)

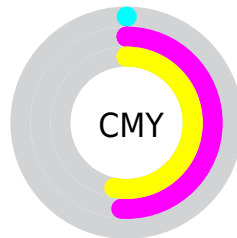


Cyan (0%)

Magenta (51%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (51%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5378, 0.4655, 0.3355 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 37.5378, 0.4655, 0.3355 by changing the saturation by 10% instead.


 37.5378, 0.4655,
0.3355


 37.5378, 0.4655,
0.3355


335.6331, 0.3860,
0.3364

 25.6242, 0.4858,
0.3338


 71.3992, 0.4361,
0.3369

 16.5427, 0.5119,
0.3306


 94.1157, 0.4252,
0.3371

 9.9090, 0.5463,
0.3248

 121.2019, 0.4161,
0.3372

 5.3386, 0.5929,
0.3137

153.0423, 0.4083,
0.3371

 2.4473, 0.6692,
0.2966

190.0212, 0.4015,
0.3370

 0.8501, 0.7532,
0.2468

232.5230, 0.3957,

 0.0000, 1.0000,

0.3368

0.0000

280.9322, 0.3905,
0.3366

0.0000, 0.0000,
0.0000

37.5378, 0.4655,
0.3355

37.5378, 0.4655,
0.3355

31.5105, 0.5119,
0.3361

45.2500, 0.4239,
0.3345

27.0367, 0.5588,
0.3359

54.7537, 0.3886,
0.3332

23.9756, 0.5996,
0.3348

66.1538, 0.3596,
0.3318

22.1580, 0.6274,
0.3328

79.5453, 0.3363,
0.3306

21.5037, 0.6379,
0.3317

95.0170, 0.3175,
0.3293

99.9948, 0.3127,
0.3290

Harmonies

Analogous

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



37.5378, 0.4074, 0.2796



37.5378, 0.4655, 0.3355



37.5378, 0.4731, 0.3955

Triad

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



37.5378, 0.4655, 0.3355



37.5378, 0.2860, 0.4580



37.5378, 0.1951, 0.2076

Complementary

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



37.5378, 0.4655, 0.3355



78.9187, 0.2432, 0.3218

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.



37.5378, 0.1729, 0.2335



37.5378, 0.4655, 0.3355



37.5378, 0.2190, 0.3793

Square

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



37.5378, 0.4655, 0.3355



37.5378, 0.3645, 0.4819



37.5378, 0.1802, 0.2924



37.5378, 0.2463, 0.2096

Rectangle

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



37.5378, 0.4655, 0.3355



37.5378, 0.4509, 0.4339



37.5378, 0.1802, 0.2924



37.5378, 0.1845, 0.2128

Sweetspot

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



37.5398, 0.4655, 0.3355



75.2505, 0.3429, 0.3309



41.6165, 0.3226, 0.2057



15.5084, 0.3476, 0.3312



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.



37.5398, 0.4655, 0.3355



30.9728, 0.5169, 0.3361



60.3008, 0.4236, 0.4025



18.1173, 0.3293, 0.3301



11.2946, 0.6370, 0.3324



1.1436, 0.6297, 0.3382

Inverse Universe

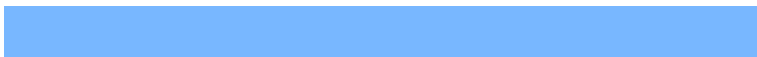
The Inverse Universe completely reimagines the original color for something new.



78.9187, 0.2432, 0.3218



76.4324, 0.2342, 0.3201



45.0693, 0.2262, 0.2387



20.3338, 0.2980, 0.3279



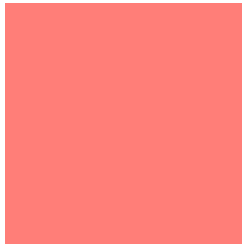
37.5116, 0.2208, 0.3150



3.6938, 0.2213, 0.3166

Previews

White Background



This preview shows how the Yxy color 37.5378, 0.4655, 0.3355 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 37.5378, 0.4655, 0.3355 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 37.5378, 0.4655, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 37.5378, 0.4655, 0.3355.



This preview shows how white text looks on a background with the Yxy color 37.5378, 0.4655, 0.3355.

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

37.5378, 0.4655, 0.3355

Protanopia

37.7439, 0.3456, 0.3675

Deuteranopia

37.5389, 0.3948, 0.3871



Tritanopia

37.6207, 0.4510, 0.3213

Trichromacy



Original Color

37.5378, 0.4655, 0.3355

Protanomaly

36.4684, 0.3876, 0.3552

Deuteranomaly

36.7241, 0.4216, 0.3656

Tritanomaly

37.4857, 0.4569, 0.3264

Monochromacy



Original Color

37.5378, 0.4655, 0.3355

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

35.8211, 0.3638, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5378, 0.4655, 0.3355 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, 126, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 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, 126, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 120) }
```

Border

The CSS property to change the border of an element to Yxy 37.5378, 0.4655, 0.3355 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, 126, 120) }
```

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

```
.border{ border-color:rgb(255, 126, 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, 126, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5378, 0.4655, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 120) }
```

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

```
.background{ background-color: rgb(255,  
126, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor