

Converting Colors

$Y_{xy}(36.4865, 0.4715, 0.3345)$

Have a look what the booklet for
Yxy(36.4865, 0.4715, 0.3345)
contains.

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Color

Yxy(36.4634, 0.4715, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	FF7A75
RGB	255, 122, 117
RGB Percent	100%, 48%, 46%
CMY	0.0000, 0.5216, 0.5411
CMYK	0.00, 0.52, 0.54, 0.00
HSL	2°, 100%, 73%
HSV	2°, 54%, 100%
XYZ	51.4130, 36.4634, 21.1649
YIQ	161.1970, 80.8730, 26.6410

Conversions

Conversions Part 2

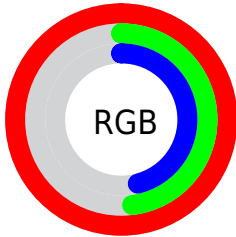
Format	Color
RYB	255, 122, 117
Decimal	16743029
CIELab	66.87, 50.19, 27.03
CIElCh	67, 57.001, 28.306
Yxy	36.4634, 0.4715, 0.3344
Android (android.graphics.Color)	4294933109 (0xFFFF7A75)
YUV	161.1970, -21.7891, 82.2652
Hunter-Lab	60.3849, 46.3049, 21.4883

Details

The Yxy color **36.4634, 0.4715, 0.3344** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **79.3882, 0.2424, 0.3230**, and the grayscale version is **35.8131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5689, 0.3896, 0.3377**, and **15.9014, 0.5192, 0.3285** is the 20% darker color. If you saturate the color by 10%, you get **30.6519, 0.5185, 0.3348**, and if you desaturate by 10%, it is **43.9663, 0.4289, 0.3336**.

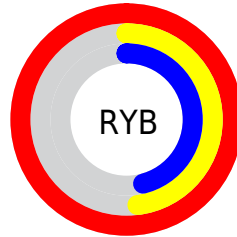
Distribution



Red (100%)

Green (48%)

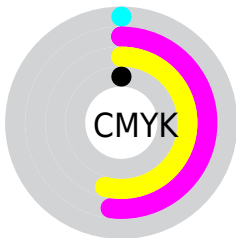
Blue (46%)



Red (100%)

Yellow (48%)

Blue (46%)

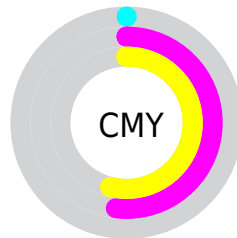


Cyan (0%)

Magenta (52%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4634, 0.4715, 0.3344 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 36.4634, 0.4715, 0.3344 by changing the saturation by 10% instead.


 36.4634, 0.4715,
0.3344


 36.4634, 0.4715,
0.3344


330.9815, 0.3886,
0.3362

 24.7923, 0.4927,
0.3323


 69.7467, 0.4408,
0.3362

 15.9224, 0.5200,
0.3286


 92.1277, 0.4294,
0.3366

 9.4692, 0.5560,
0.3220


 118.8475, 0.4199,
0.3367

 5.0485, 0.6046,
0.3094

150.2904, 0.4117,
0.3367

 2.2757, 0.6894,
0.2921

186.8409, 0.4047,
0.3366

 0.7608, 0.7670,
0.2330

228.8833, 0.3986,

 0.0000, 1.0000,

0.3365

0.0000

276.8020, 0.3933,
0.3364

■ 0.0000, 0.0000,
0.0000

■ 36.4634, 0.4715,
0.3344

■ 36.4634, 0.4715,
0.3344

■ 30.6519, 0.5185,
0.3348

■ 43.9663, 0.4289,
0.3336

■ 26.3980, 0.5652,
0.3346

■ 53.2749, 0.3926,
0.3325

■ 23.5522, 0.6048,
0.3336

■ 64.4970, 0.3628,
0.3315

■ 21.9348, 0.6303,
0.3320

■ 77.7310, 0.3388,
0.3304

■ 21.4597, 0.6383,
0.3314

■ 93.0687, 0.3195,
0.3294

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



36.4634, 0.4105, 0.2770



36.4634, 0.4715, 0.3344



36.4634, 0.4795, 0.3962

Triad

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



36.4634, 0.4715, 0.3344



36.4634, 0.2852, 0.4649



36.4634, 0.1906, 0.2034

Complementary

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



36.4634, 0.4715, 0.3344



79.3882, 0.2424, 0.3230

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.



36.4634, 0.1681, 0.2300



36.4634, 0.4715, 0.3344



36.4634, 0.2158, 0.3824

Square

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



36.4634, 0.4715, 0.3344



36.4634, 0.3665, 0.4883



36.4634, 0.1757, 0.2912



36.4634, 0.2429, 0.2054

Rectangle

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



36.4634, 0.4715, 0.3344



36.4634, 0.4562, 0.4363



36.4634, 0.1757, 0.2912



36.4634, 0.1798, 0.2088

Sweetspot

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



36.4644, 0.4715, 0.3344



75.0691, 0.3429, 0.3306



40.9153, 0.3229, 0.2035



15.4660, 0.3477, 0.3308



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.



36.4644, 0.4715, 0.3344



30.2115, 0.5227, 0.3348



59.6370, 0.4266, 0.4039



18.0920, 0.3294, 0.3299



11.2586, 0.6376, 0.3320



1.1316, 0.6317, 0.3367

Inverse Universe

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



79.3882, 0.2424, 0.3230



77.1197, 0.2339, 0.3217



44.2193, 0.2244, 0.2363



20.3624, 0.2980, 0.3281



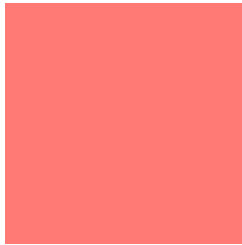
38.1990, 0.2216, 0.3177



3.7530, 0.2220, 0.3190

Previews

White Background



This preview shows how the Yxy color 36.4634, 0.4715, 0.3344 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 36.4634, 0.4715, 0.3344 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 36.4634, 0.4715, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 36.4634, 0.4715, 0.3344.



This preview shows how white text looks on a background with the Yxy color 36.4634, 0.4715, 0.3344.

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

36.4634, 0.4715, 0.3344

Protanopia

36.7143, 0.3470, 0.3694

Deuteranopia

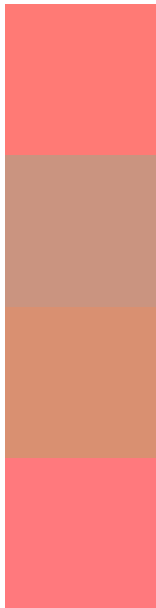
36.5267, 0.3968, 0.3889



Tritanopia

36.5197, 0.4580, 0.3214

Trichromacy



Original Color

36.4634, 0.4715, 0.3344

Protanomaly

35.2949, 0.3911, 0.3553

Deuteranomaly

35.8905, 0.4250, 0.3669

Tritanomaly

36.4154, 0.4627, 0.3254

Monochromacy



Original Color

36.4634, 0.4715, 0.3344

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.5139, 0.3658, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4634, 0.4715, 0.3344 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, 122, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 117)  
}
```

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, 122, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 117) }
```

Border

The CSS property to change the border of an element to Yxy 36.4634, 0.4715, 0.3344 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, 122, 117) }
```

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

```
.border{ border-color:rgb(255, 122, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4634, 0.4715, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 117) }
```

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

```
.background{ background-color: rgb(255,  
122, 117) }
```

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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