

Converting Colors

$Y_{xy}(56.6813, 0.5119, 0.3179)$

Have a look what the booklet for
Yxy(56.6813, 0.5119, 0.3179)
contains.

Yxy(36.7697, 0.4471, 0.3121)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.7697, 0.4471, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	FF798A
RGB	255, 121, 138
RGB Percent	100%, 47%, 54%
CMY	0.0000, 0.5256, 0.4588
CMYK	0.00, 0.53, 0.46, 0.00
HSL	352°, 100%, 74%
HSV	352°, 53%, 100%
XYZ	52.6746, 36.7697, 28.3696
YIQ	163.0040, 74.4070, 33.6950

Conversions

Conversions Part 2

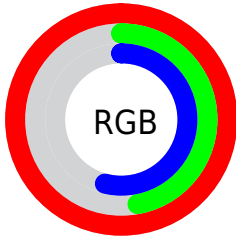
Format	Color
R _Y B	255, 121, 138
Decimal	16742794
CIE _{Lab}	67.10, 52.49, 15.54
CIE _{LCh}	67, 54.746, 16.493
Y _{xy}	36.7697, 0.4471, 0.3121
Android (android.graphics.Color)	4294932874 (0xFFFF798A)
Y _{UV}	163.0040, -12.3270, 80.6805
Hunter-Lab	60.6380, 48.9415, 14.7077

Details

The Yxy color **36.7697, 0.4471, 0.3121** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **81.7548, 0.2521, 0.3488**, and the grayscale version is **36.6549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4659, 0.3697, 0.3145**, and **16.0703, 0.4898, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **30.7864, 0.4894, 0.3106**, and if you desaturate by 10%, it is **44.5138, 0.4099, 0.3148**.

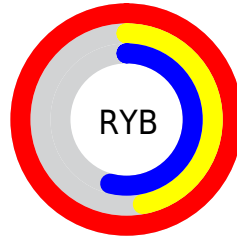
Distribution



Red (100%)

Green (47%)

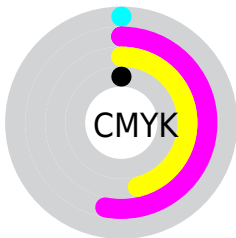
Blue (54%)



Red (100%)

Yellow (47%)

Blue (54%)

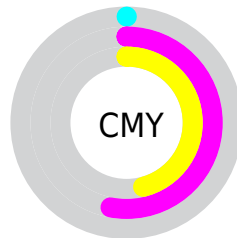


Cyan (0%)

Magenta (53%)

Yellow (46%)

Black (0%)



Cyan (0%)


Magenta (53%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7697, 0.4471, 0.3121 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 36.7697, 0.4471, 0.3121 by changing the saturation by 10% instead.


 36.7697, 0.4471,
0.3121


 36.7697, 0.4471,
0.3121


332.3124, 0.3768,
0.3233


 25.0292, 0.4654,
0.3084


 70.2184, 0.4210,
0.3168

 16.0988, 0.4891,
0.3031


 92.6955, 0.4113,
0.3184

 9.5941, 0.5211,
0.2951


 119.5202, 0.4032,
0.3197

 5.1307, 0.5658,
0.2822

151.0770, 0.3964,
0.3207

 2.3241, 0.6315,
0.2596

187.7502, 0.3905,
0.3215

 0.7864, 0.7728,
0.2272

229.9242, 0.3853,

 0.0000, 1.0000,

0.3222

0.0000

277.9835, 0.3808,
0.3228

■ 0.0000, 0.0000,
0.0000

■ 36.7697, 0.4471,
0.3121

■ 36.7697, 0.4471,
0.3121

■ 30.7864, 0.4894,
0.3106

■ 44.5138, 0.4099,
0.3148

■ 26.4369, 0.5342,
0.3109

■ 54.1570, 0.3788,
0.3181

■ 23.5553, 0.5764,
0.3136

■ 65.8087, 0.3534,
0.3216

■ 21.9466, 0.6100,
0.3185

■ 79.5737, 0.3328,
0.3250

■ 21.3665, 0.6269,
0.3227

■ 95.5495, 0.3164,
0.3282

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.



36.7697, 0.3744, 0.2599



36.7697, 0.4471, 0.3121



36.7697, 0.4762, 0.3711

Triad

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



36.7697, 0.4471, 0.3121



36.7697, 0.3176, 0.4753



36.7697, 0.1828, 0.2145

Complementary

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



36.7697, 0.4471, 0.3121



81.7548, 0.2521, 0.3488

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.



36.7697, 0.1724, 0.2532



36.7697, 0.4471, 0.3121



36.7697, 0.2435, 0.4151

Square

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



36.7697, 0.4471, 0.3121



36.7697, 0.3945, 0.4741



36.7697, 0.1922, 0.3253



36.7697, 0.2223, 0.2059

Rectangle

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



36.7697, 0.4471, 0.3121



36.7697, 0.4664, 0.4109



36.7697, 0.1922, 0.3253



36.7697, 0.1761, 0.2238

Sweetspot

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



36.7653, 0.4471, 0.3121



74.5892, 0.3394, 0.3238



38.9170, 0.3027, 0.1968



15.3538, 0.3436, 0.3231



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.



36.7653, 0.4471, 0.3121



30.5602, 0.4913, 0.3105



51.4348, 0.4363, 0.3798



18.0246, 0.3274, 0.3260



11.1760, 0.6243, 0.3213



1.0994, 0.5995, 0.3076

Inverse Universe

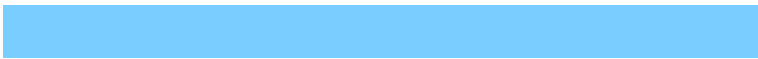
The Inverse Universe completely reimagines the original color for something new.



36.7653, 0.4471, 0.3121



30.5602, 0.4913, 0.3105



55.3585, 0.2328, 0.2686



18.0246, 0.3274, 0.3260



11.1760, 0.6243, 0.3213



1.0994, 0.5995, 0.3076

Previews

White Background



This preview shows how the Yxy color 36.7697, 0.4471, 0.3121 looks on a white background.

Color Contrast Check

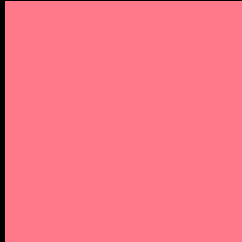
Large Text (above 18pt) WCAG AA × Fail

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 36.7697, 0.4471, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

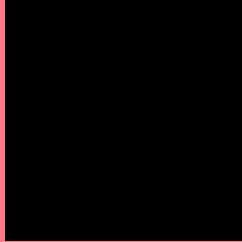
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7697, 0.4471, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 36.7697, 0.4471, 0.3121.



This preview shows how white text looks on a background with the Yxy color 36.7697, 0.4471, 0.3121.

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

36.7697, 0.4471, 0.3121

Protanopia

36.9479, 0.3192, 0.3333

Deuteranopia

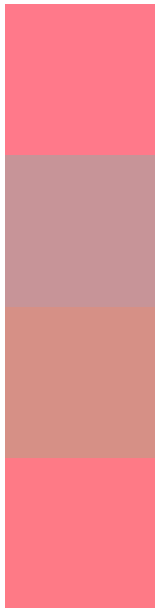
36.7270, 0.3704, 0.3632



Tritanopia

36.6286, 0.4541, 0.3203

Trichromacy



Original Color

36.7697, 0.4471, 0.3121

Protanomaly

35.5889, 0.3623, 0.3239

Deuteranomaly

35.9639, 0.3991, 0.3417

Tritanomaly

36.7111, 0.4505, 0.3172

Monochromacy



Original Color

36.7697, 0.4471, 0.3121

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.2487, 0.3571, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7697, 0.4471, 0.3121 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, 121, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 138)  
}
```

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, 121, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 138) }
```

Border

The CSS property to change the border of an element to Yxy 36.7697, 0.4471, 0.3121 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, 121, 138) }
```

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

```
.border{ border-color:rgb(255, 121, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7697, 0.4471, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 138) }
```

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

```
.background{ background-color: rgb(255,  
121, 138) }
```

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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