

Converting Colors

$Y_{xy}(36.8282, 0.4446, 0.3101)$

Have a look what the booklet for
Yxy(36.8282, 0.4446, 0.3101)
contains.

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Color

Yxy(36.8282, 0.4446, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	FF798C
RGB	255, 121, 140
RGB Percent	100%, 47%, 55%
CMY	0.0001, 0.5254, 0.4510
CMYK	0.00, 0.53, 0.45, 0.00
HSL	352°, 100%, 74%
HSV	352°, 53%, 100%
XYZ	52.8017, 36.8282, 29.1324
YIQ	163.2320, 73.7650, 34.3170

Conversions

Conversions Part 2

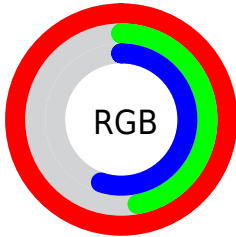
Format	Color
RYB	255, 121, 140
Decimal	16742796
CIELab	67.15, 52.63, 14.48
CIELCh	67, 54.590, 15.386
Yxy	36.8282, 0.4446, 0.3101
Android (android.graphics.Color)	4294932876 (0xFFFF798C)
YUV	163.2320, -11.4534, 80.4805
Hunter-Lab	60.6862, 49.1079, 14.0182

Details

The Yxy color **36.8282, 0.4446, 0.3101** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.6239, 0.2529, 0.3512**, and the grayscale version is **36.7741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5545, 0.3679, 0.3125**, and **16.1039, 0.4863, 0.3007** is the 20% darker color. If you saturate the color by 10%, you get **30.8459, 0.4862, 0.3083**, and if you desaturate by 10%, it is **44.5801, 0.4082, 0.3132**.

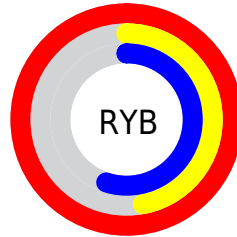
Distribution



Red (100%)

Green (47%)

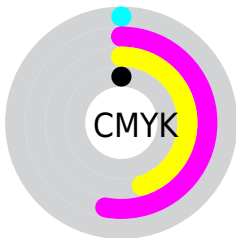
Blue (55%)



Red (100%)

Yellow (47%)

Blue (55%)

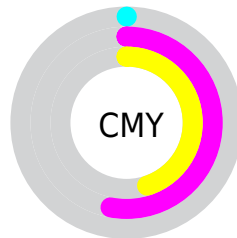


Cyan (0%)

Magenta (53%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8282, 0.4446, 0.3101 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 36.8282, 0.4446, 0.3101 by changing the saturation by 10% instead.


 36.8282, 0.4446,
0.3101


 36.8282, 0.4446,
0.3101


332.5661, 0.3757,
0.3222

 25.0745, 0.4625,
0.3062


 70.3085, 0.4190,
0.3151

 16.1326, 0.4858,
0.3008


 92.8038, 0.4095,
0.3168

 9.6180, 0.5172,
0.2926


 119.6486, 0.4016,
0.3182

 5.1464, 0.5613,
0.2796

151.2270, 0.3948,
0.3193

 2.3334, 0.6263,
0.2572

187.9236, 0.3890,
0.3202

 0.7913, 0.7728,
0.2272

230.1227, 0.3840,


 0.0000, 1.0000,

0.3210


0.0000


278.2088, 0.3796,
0.3216


 0.0000, 0.0000,
0.0000

 36.8282, 0.4446,
0.3101


 36.8282, 0.4446,
0.3101

 30.8459, 0.4862,
0.3083


 44.5801, 0.4082,
0.3132


 26.4878, 0.5304,
0.3085


 54.2204, 0.3776,
0.3169

 23.5949, 0.5726,
0.3113

 65.8645, 0.3526,
0.3207

 21.9732, 0.6066,
0.3167

 79.6168, 0.3325,
0.3246

 21.3819, 0.6244,
0.3213

 95.5743, 0.3163,
0.3281

99.9940, 0.3127,
0.3290

Harmonies

Analogous

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



36.8282, 0.3710, 0.2584



36.8282, 0.4446, 0.3101



36.8282, 0.4756, 0.3689

Triad

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



36.8282, 0.4446, 0.3101



36.8282, 0.3205, 0.4758



36.8282, 0.1823, 0.2157

Complementary

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



36.8282, 0.4446, 0.3101



81.6239, 0.2529, 0.3512

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.



36.8282, 0.1730, 0.2556



36.8282, 0.4446, 0.3101



36.8282, 0.2461, 0.4178

Square

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



36.8282, 0.4446, 0.3101



36.8282, 0.3969, 0.4726



36.8282, 0.1939, 0.3286



36.8282, 0.2206, 0.2061

Rectangle

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



36.8282, 0.4446, 0.3101



36.8282, 0.4671, 0.4086



36.8282, 0.1939, 0.3286



36.8282, 0.1760, 0.2254

Sweetspot

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



36.8301, 0.4446, 0.3101



74.6204, 0.3390, 0.3233



38.5424, 0.3007, 0.1961



15.3611, 0.3431, 0.3225



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.



36.8301, 0.4446, 0.3101



30.6142, 0.4882, 0.3083



50.6077, 0.4377, 0.3775



18.0289, 0.3272, 0.3257



11.1883, 0.6215, 0.3198



1.1014, 0.5953, 0.3053

Inverse Universe

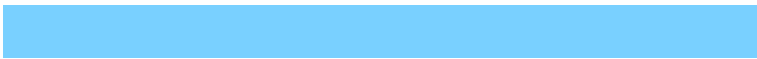
The Inverse Universe completely reimagines the original color for something new.



36.8301, 0.4446, 0.3101



30.6142, 0.4882, 0.3083



56.4416, 0.2334, 0.2715



18.0289, 0.3272, 0.3257



11.1883, 0.6215, 0.3198



1.1014, 0.5953, 0.3053

Previews

White Background



This preview shows how the Yxy color 36.8282, 0.4446, 0.3101 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 36.8282, 0.4446, 0.3101 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 36.8282, 0.4446, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 36.8282, 0.4446, 0.3101.



This preview shows how white text looks on a background with the Yxy color 36.8282, 0.4446, 0.3101.

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

36.8282, 0.4446, 0.3101

Protanopia

37.0185, 0.3174, 0.3304

Deuteranopia

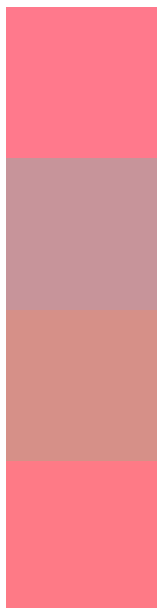
36.7823, 0.3684, 0.3604



Tritanopia

36.8754, 0.4535, 0.3213

Trichromacy



Original Color

36.8282, 0.4446, 0.3101

Protanomaly

35.6550, 0.3602, 0.3213

Deuteranomaly

36.0202, 0.3969, 0.3392

Tritanomaly

36.7111, 0.4505, 0.3172

Monochromacy



Original Color

36.8282, 0.4446, 0.3101

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.2821, 0.3560, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8282, 0.4446, 0.3101 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 140) }
```

Border

The CSS property to change the border of an element to Yxy 36.8282, 0.4446, 0.3101 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, 140) }
```

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

```
.border{ border-color:rgb(255, 121, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8282, 0.4446, 0.3101 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, 140) }
```

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

```
.background{ background-color: rgb(255,  
121, 140) }
```

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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