

Converting Colors

$Y_{xy}(40.7495, 0.4640, 0.3078)$

Have a look what the booklet for
Yxy(40.7495, 0.4640, 0.3078)
contains.

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Color

Yxy(36.1699, 0.4436, 0.3050)

Conversions

Conversions Part 1

Format	Color
Hex	FF768E
RGB	255, 118, 142
RGB Percent	100%, 46%, 56%
CMY	0.0000, 0.5373, 0.4430
CMYK	0.00, 0.54, 0.44, 0.00
HSL	349°, 100%, 73%
HSV	349°, 54%, 100%
XYZ	52.6065, 36.1699, 29.8135
YIQ	161.6990, 73.9480, 36.5080

Conversions

Conversions Part 2

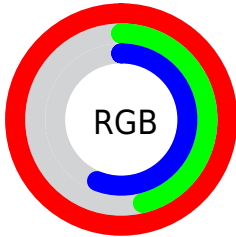
Format	Color
RYB	255, 118, 142
Decimal	16742030
CIELab	66.65, 54.27, 12.63
CIElCh	67, 55.724, 13.098
Yxy	36.1699, 0.4436, 0.3050
Android (android.graphics.Color)	4294932110 (0xFFFF768E)
YUV	161.6990, -9.7116, 81.8250
Hunter-Lab	60.1414, 50.8887, 12.7076

Details

The Yxy color **36.1699, 0.4436, 0.3050** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.1383, 0.2540, 0.3575**, and the grayscale version is **36.0028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5176, 0.3659, 0.3062**, and **15.7971, 0.4846, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **30.3808, 0.4840, 0.3028**, and if you desaturate by 10%, it is **43.7000, 0.4081, 0.3088**.

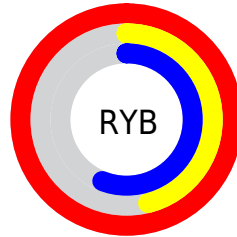
Distribution



Red (100%)

Green (46%)

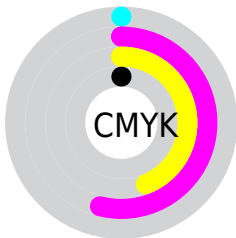
Blue (56%)



Red (100%)

Yellow (46%)

Blue (56%)

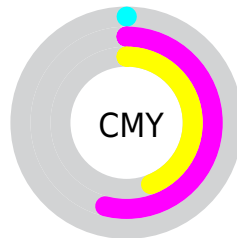


Cyan (0%)

Magenta (54%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1699, 0.4436, 0.3050 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 36.1699, 0.4436, 0.3050 by changing the saturation by 10% instead.


 36.1699, 0.4436,
0.3050


 36.1699, 0.4436,
0.3050


329.7025, 0.3751,
0.3195

 24.5654, 0.4615,
0.3006


 69.2942, 0.4181,
0.3109

 15.7536, 0.4848,
0.2944


 91.5829, 0.4087,
0.3129

 9.3500, 0.5162,
0.2855


 118.2017, 0.4008,
0.3145

 4.9701, 0.5606,
0.2714

149.5351, 0.3941,
0.3159

 2.2298, 0.6264,
0.2477

185.9675, 0.3883,
0.3170

 0.7361, 0.7836,
0.2164

227.8833, 0.3833,


 0.0000, 1.0000,


0.3180


0.0000


275.6668, 0.3789,
0.3188


 0.0000, 0.0000,
0.0000


 36.1699, 0.4436,
0.3050


 36.1699, 0.4436,
0.3050


 30.3808, 0.4840,
0.3028


 43.7000, 0.4081,
0.3088


 26.1934, 0.5269,
0.3030

 53.0979, 0.3782,
0.3134

 23.4442, 0.5679,
0.3063

 64.4769, 0.3537,
0.3182

 21.9352, 0.6016,
0.3128

 77.9416, 0.3338,
0.3229

 21.4475, 0.6174,
0.3175

 93.5894, 0.3178,
0.3274

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.



36.1699, 0.3658, 0.2533



36.1699, 0.4436, 0.3050



36.1699, 0.4793, 0.3645

Triad

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



36.1699, 0.4436, 0.3050



36.1699, 0.3265, 0.4821



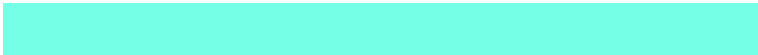
36.1699, 0.1777, 0.2150

Complementary

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



36.1699, 0.4436, 0.3050



81.1383, 0.2540, 0.3575

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.



36.1699, 0.1704, 0.2580



36.1699, 0.4436, 0.3050



36.1699, 0.2495, 0.4269

Square

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



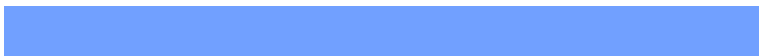
36.1699, 0.4436, 0.3050



36.1699, 0.4040, 0.4736



36.1699, 0.1940, 0.3352



36.1699, 0.2144, 0.2032

Rectangle

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



36.1699, 0.4436, 0.3050



36.1699, 0.4729, 0.4052



36.1699, 0.1940, 0.3352



36.1699, 0.1720, 0.2255

Sweetspot

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



36.1694, 0.4436, 0.3050



74.6941, 0.3380, 0.3219



36.9789, 0.2962, 0.1918



15.3785, 0.3419, 0.3209



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.



36.1694, 0.4436, 0.3050



30.2464, 0.4851, 0.3027



48.1903, 0.4446, 0.3738



18.0391, 0.3267, 0.3249



11.2218, 0.6141, 0.3157



1.1062, 0.5856, 0.3000

Inverse Universe

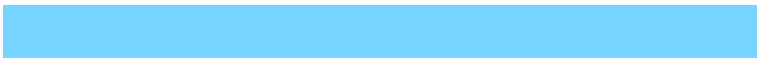
The Inverse Universe completely reimagines the original color for something new.



36.1694, 0.4436, 0.3050



30.2464, 0.4851, 0.3027



57.9657, 0.2330, 0.2758



18.0391, 0.3267, 0.3249



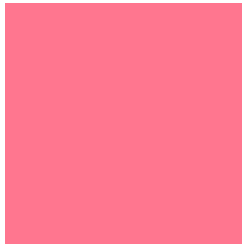
11.2218, 0.6141, 0.3157



1.1062, 0.5856, 0.3000

Previews

White Background



This preview shows how the Yxy color 36.1699, 0.4436, 0.3050 looks on a white background.

Color Contrast Check

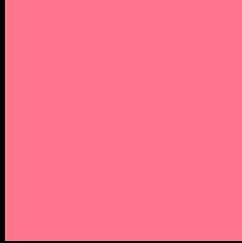
Large Text (above 18pt) WCAG AA × Fail

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 36.1699, 0.4436, 0.3050 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 36.1699, 0.4436, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 36.1699, 0.4436, 0.3050.



This preview shows how white text looks on a background with the Yxy color 36.1699, 0.4436, 0.3050.

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

36.1699, 0.4436, 0.3050

Protanopia

36.4498, 0.3120, 0.3247

Deuteranopia

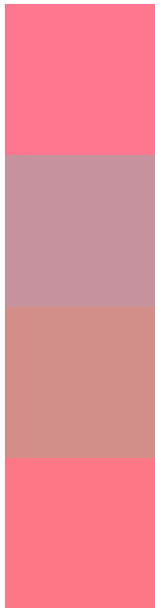
36.2459, 0.3647, 0.3566



Tritanopia

36.0888, 0.4576, 0.3203

Trichromacy



Original Color

36.1699, 0.4436, 0.3050

Protanomaly

34.8624, 0.3555, 0.3146

Deuteranomaly

35.1780, 0.3935, 0.3343

Tritanomaly

35.9857, 0.4520, 0.3142

Monochromacy



Original Color

36.1699, 0.4436, 0.3050

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

34.6601, 0.3566, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1699, 0.4436, 0.3050 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, 118, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 142)  
}
```

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, 118, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 142) }
```

Border

The CSS property to change the border of an element to Yxy 36.1699, 0.4436, 0.3050 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, 118, 142) }
```

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

```
.border{ border-color:rgb(255, 118, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1699, 0.4436, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 142) }
```

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

```
.background{ background-color: rgb(255,  
118, 142) }
```

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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