

Converting Colors

$Y_{xy}(33.8435, 0.4446, 0.2915)$

Have a look what the booklet for
Yxy(33.8435, 0.4446, 0.2915)
contains.

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Color

Yxy(33.8197, 0.4448, 0.2915)

Conversions

Conversions Part 1

Format	Color
Hex	FF6B91
RGB	255, 107, 145
RGB Percent	100%, 42%, 57%
CMY	0.0000, 0.5803, 0.4314
CMYK	0.00, 0.58, 0.43, 0.00
HSL	345°, 100%, 71%
HSV	345°, 58%, 100%
XYZ	51.6055, 33.8197, 30.5944
YIQ	155.5840, 76.0100, 43.1940

Conversions

Conversions Part 2

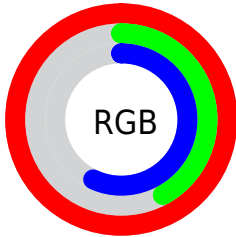
Format	Color
RYB	255, 107, 145
Decimal	16739217
CIELab	64.82, 59.54, 8.35
CIElCh	65, 60.126, 7.981
Yxy	33.8197, 0.4448, 0.2915
Android (android.graphics.Color)	4294929297 (0xFFFF6B91)
YUV	155.5840, -5.2179, 87.1878
Hunter-Lab	58.1547, 56.6271, 9.5167

Details

The Yxy color **33.8197, 0.4448, 0.2915** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.6507, 0.2562, 0.3754**, and the grayscale version is **33.0519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5779, 0.3656, 0.2917**, and **14.4922, 0.4869, 0.2777** is the 20% darker color. If you saturate the color by 10%, you get **28.7278, 0.4824, 0.2888**, and if you desaturate by 10%, it is **40.5798, 0.4112, 0.2966**.

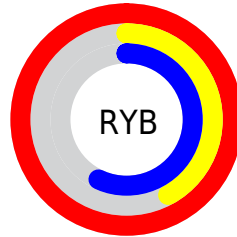
Distribution



Red (100%)

Green (42%)

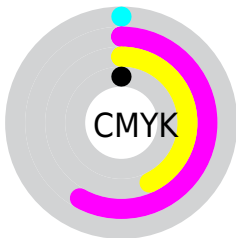
Blue (57%)



Red (100%)

Yellow (42%)

Blue (57%)

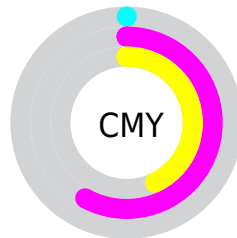


Cyan (0%)

Magenta (58%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8197, 0.4448, 0.2915 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 33.8197, 0.4448, 0.2915 by changing the saturation by 10% instead.

 33.8197, 0.4448,
0.2915


 33.8197, 0.4448,
0.2915


319.3274, 0.3752,
0.3126


 22.7551, 0.4631,
0.2855


 65.6532, 0.4187,
0.2997

 14.4128, 0.4872,
0.2774


 87.1909, 0.4092,
0.3026

 8.4083, 0.5198,
0.2658


 112.9884, 0.4012,
0.3050

 4.3573, 0.5663,
0.2485

 143.4302, 0.3944,
0.3070

 1.8754, 0.6360,
0.2203

178.9006, 0.3886,
0.3088

 0.5335, 0.8258,
0.1742

219.7839, 0.3835,

 0.0000, 1.0000,


0.3102

0.0000


266.4647, 0.3791,
0.3115


 0.0000, 0.0000,
0.0000


 33.8197, 0.4448,
0.2915


 33.8197, 0.4448,
0.2915


 28.7278, 0.4824,
0.2888


 40.5798, 0.4112,
0.2966


 25.1518, 0.5216,
0.2896


 49.1323, 0.3825,
0.3031


 22.9200, 0.5589,
0.2946

 59.5956, 0.3586,
0.3101

 21.7990, 0.5901,
0.3036

 72.0765, 0.3391,
0.3171

 21.6449, 0.5955,
0.3054

 86.6739, 0.3232,
0.3239

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



33.8197, 0.3540, 0.2386



33.8197, 0.4448, 0.2915



33.8197, 0.4933, 0.3540

Triad

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



33.8197, 0.4448, 0.2915



33.8197, 0.3408, 0.5021



33.8197, 0.1632, 0.2098

Complementary

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



33.8197, 0.4448, 0.2915



79.6507, 0.2562, 0.3754

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.



33.8197, 0.1605, 0.2618



33.8197, 0.4448, 0.2915



33.8197, 0.2555, 0.4536

Square

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



33.8197, 0.4448, 0.2915



33.8197, 0.4232, 0.4789



33.8197, 0.1908, 0.3523



33.8197, 0.1968, 0.1928

Rectangle

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



33.8197, 0.4448, 0.2915



33.8197, 0.4917, 0.3978



33.8197, 0.1908, 0.3523



33.8197, 0.1588, 0.2229

Sweetspot

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



33.8215, 0.4448, 0.2915



73.4878, 0.3373, 0.3179



32.2661, 0.2831, 0.1774



15.1476, 0.3408, 0.3165



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.



33.8215, 0.4448, 0.2915



27.9110, 0.4901, 0.2886



41.5309, 0.4687, 0.3639



18.0636, 0.3254, 0.3229



11.3313, 0.5915, 0.3032



1.1201, 0.5599, 0.2858

Inverse Universe

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



33.8215, 0.4448, 0.2915



27.9110, 0.4901, 0.2886



61.7761, 0.2312, 0.2867



18.0636, 0.3254, 0.3229



11.3313, 0.5915, 0.3032



1.1201, 0.5599, 0.2858

Previews

White Background



This preview shows how the Yxy color 33.8197, 0.4448, 0.2915 looks on a white background.

Color Contrast Check

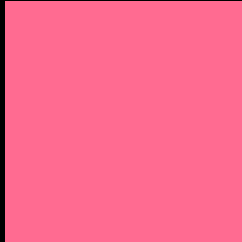
Large Text (above 18pt) WCAG AA × Fail

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 33.8197, 0.4448, 0.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

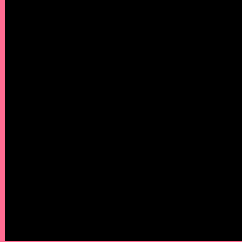
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8197, 0.4448, 0.2915

Background



This preview shows how black text looks on a background with the Yxy color 33.8197, 0.4448, 0.2915.



This preview shows how white text looks on a background with the Yxy color 33.8197, 0.4448, 0.2915.

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

33.8197, 0.4448, 0.2915

Protanopia

34.1990, 0.2977, 0.3056

Deuteranopia

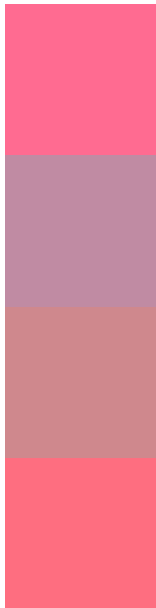
33.9947, 0.3556, 0.3490



Tritanopia

33.8029, 0.4736, 0.3226

Trichromacy



Original Color

33.8197, 0.4448, 0.2915

Protanomaly

32.3160, 0.3454, 0.2970

Deuteranomaly

32.7968, 0.3873, 0.3228

Tritanomaly

33.7812, 0.4644, 0.3116

Monochromacy



Original Color

33.8197, 0.4448, 0.2915

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

31.6504, 0.3577, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8197, 0.4448, 0.2915 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, 107, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 145)  
}
```

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, 107, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 145) }
```

Border

The CSS property to change the border of an element to Yxy 33.8197, 0.4448, 0.2915 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, 107, 145) }
```

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

```
.border{ border-color:rgb(255, 107, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8197, 0.4448, 0.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 145) }
```

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

```
.background{ background-color: rgb(255,  
107, 145) }
```

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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