

Converting Colors

$Y_{xy}(33.0155, 0.4382, 0.2802)$

Have a look what the booklet for
Yxy(33.0155, 0.4382, 0.2802)
contains.

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Color

Yxy(33.0297, 0.4376, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	FF6698
RGB	255, 102, 152
RGB Percent	100%, 40%, 60%
CMY	0.0000, 0.5999, 0.4039
CMYK	0.00, 0.60, 0.40, 0.00
HSL	340°, 100%, 70%
HSV	340°, 60%, 100%
XYZ	51.6576, 33.0297, 33.3602
YIQ	153.4470, 75.1380, 47.9860

Conversions

Conversions Part 2

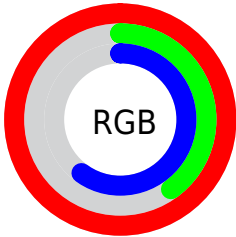
Format	Color
RYB	255, 102, 152
Decimal	16737944
CIELab	64.18, 62.41, 3.42
CIELCh	64, 62.508, 3.136
Yxy	33.0297, 0.4376, 0.2798
Android (android.graphics.Color)	4294928024 (0xFFFF6698)
YUV	153.4470, -0.7134, 89.0620
Hunter-Lab	57.4715, 59.8677, 5.8142

Details

The Yxy color **33.0297, 0.4376, 0.2798** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.7499, 0.2597, 0.3914**, and the grayscale version is **32.0412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5125, 0.3598, 0.2806**, and **13.9948, 0.4785, 0.2638** is the 20% darker color. If you saturate the color by 10%, you get **28.2436, 0.4717, 0.2763**, and if you desaturate by 10%, it is **39.4415, 0.4069, 0.2862**.

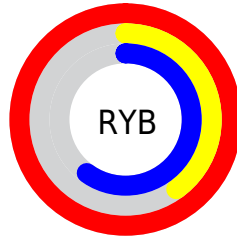
Distribution



Red (100%)

Green (40%)

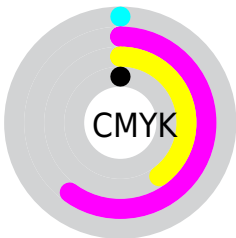
Blue (60%)



Red (100%)

Yellow (40%)

Blue (60%)

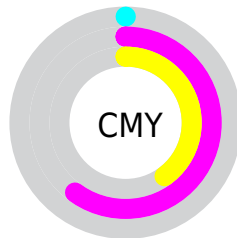


Cyan (0%)

Magenta (60%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (60%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0297, 0.4376, 0.2798 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 33.0297, 0.4376, 0.2798 by changing the saturation by 10% instead.

 33.0297, 0.4376,
0.2798


 33.0297, 0.4376,
0.2798


315.7835, 0.3719,
0.3062

 22.1492, 0.4549,
0.2727


 64.4219, 0.4130,
0.2898

 13.9666, 0.4776,
0.2632


 85.7024, 0.4040,
0.2935

 8.0974, 0.5086,
0.2501


 111.2183, 0.3964,
0.2965

 4.1573, 0.5528,
0.2311

 141.3541, 0.3900,
0.2990

 1.7620, 0.6199,
0.2013

176.4941, 0.3845,
0.3012

 0.4633, 0.7768,
0.1419

217.0228, 0.3797,

 0.0000, 1.0000,

0.3031

0.0000

263.3244, 0.3756,
0.3048

■ 0.0000, 0.0000,
0.0000

■ 33.0297, 0.4376,
0.2798

■ 33.0297, 0.4376,
0.2798

■ 28.2436, 0.4717,
0.2763

■ 39.4415, 0.4069,
0.2862

■ 24.9281, 0.5072,
0.2768

■ 47.6050, 0.3805,
0.2944

■ 22.9063, 0.5414,
0.2824

■ 57.6396, 0.3582,
0.3032

■ 21.8890, 0.5714,
0.2922

■ 69.6529, 0.3399,
0.3122

■ 21.8885, 0.5714,
0.2922

■ 83.7441, 0.3249,
0.3208

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



33.0297, 0.3391, 0.2278



33.0297, 0.4376, 0.2798



33.0297, 0.4977, 0.3430

Triad

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



33.0297, 0.4376, 0.2798



33.0297, 0.3554, 0.5110



33.0297, 0.1551, 0.2107

Complementary

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



33.0297, 0.4376, 0.2798



78.7499, 0.2597, 0.3914

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.



33.0297, 0.1573, 0.2708



33.0297, 0.4376, 0.2798



33.0297, 0.2658, 0.4741

Square

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



33.0297, 0.4376, 0.2798



33.0297, 0.4388, 0.4757



33.0297, 0.1941, 0.3711



33.0297, 0.1844, 0.1884

Rectangle

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



33.0297, 0.4376, 0.2798



33.0297, 0.5022, 0.3879



33.0297, 0.1941, 0.3711



33.0297, 0.1523, 0.2261

Sweetspot

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



33.0315, 0.4376, 0.2798



72.2972, 0.3367, 0.3139



29.5625, 0.2725, 0.1689



14.6556, 0.3414, 0.3114



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.



33.0315, 0.4376, 0.2798



27.4670, 0.4788, 0.2760



37.5294, 0.4842, 0.3543



18.0849, 0.3243, 0.3213



11.4621, 0.5671, 0.2898



1.1351, 0.5352, 0.2722

Inverse Universe

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



33.0315, 0.4376, 0.2798



27.4670, 0.4788, 0.2760



66.3595, 0.2321, 0.2979



18.0849, 0.3243, 0.3213



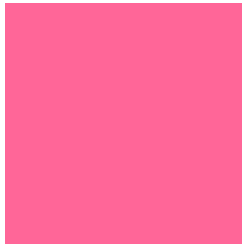
11.4621, 0.5671, 0.2898



1.1351, 0.5352, 0.2722

Previews

White Background



This preview shows how the Yxy color 33.0297, 0.4376, 0.2798 looks on a white background.

Color Contrast Check

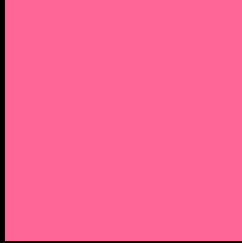
Large Text (above 18pt) WCAG AA × Fail

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 33.0297, 0.4376, 0.2798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

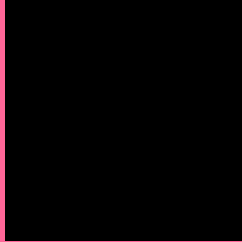
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0297, 0.4376, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 33.0297, 0.4376, 0.2798.



This preview shows how white text looks on a background with the Yxy color 33.0297, 0.4376, 0.2798.

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

33.0297, 0.4376, 0.2798

Protanopia

33.3456, 0.2839, 0.2882

Deuteranopia

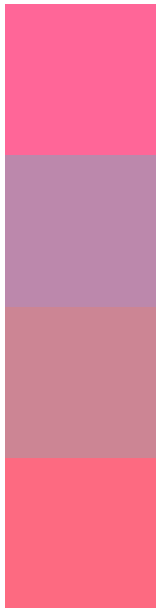
32.9710, 0.3437, 0.3363



Tritanopia

32.8937, 0.4783, 0.3226

Trichromacy



Original Color

33.0297, 0.4376, 0.2798

Protanomaly

31.2782, 0.3321, 0.2808

Deuteranomaly

31.7505, 0.3769, 0.3098

Tritanomaly

32.7757, 0.4643, 0.3067

Monochromacy



Original Color

33.0297, 0.4376, 0.2798

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.2973, 0.3554, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0297, 0.4376, 0.2798 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, 102, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 152)  
}
```

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, 102, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 152) }
```

Border

The CSS property to change the border of an element to Yxy 33.0297, 0.4376, 0.2798 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, 102, 152) }
```

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

```
.border{ border-color:rgb(255, 102, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0297, 0.4376, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 152) }
```

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

```
.background{ background-color: rgb(255,  
102, 152) }
```

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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