

Converting Colors

$Y_{xy}(53.2255, 0.5100, 0.3009)$

Have a look what the booklet for
Yxy(53.2255, 0.5100, 0.3009)
contains.

Yxy(33.2987, 0.4421, 0.2857)	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(33.2987, 0.4421, 0.2857)

Conversions

Conversions Part 1

Format	Color
Hex	FF6894
RGB	255, 104, 148
RGB Percent	100%, 41%, 58%
CMY	0.0001, 0.5920, 0.4196
CMYK	0.00, 0.59, 0.42, 0.00
HSL	343°, 100%, 70%
HSV	343°, 59%, 100%
XYZ	51.5273, 33.2987, 31.7253
YIQ	154.1650, 75.8720, 45.6960

Conversions

Conversions Part 2

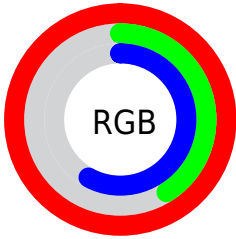
Format	Color
R_{YB}	255, 104, 148
Decimal	16738452
CIE _{Lab}	64.40, 61.14, 6.03
CIE _{LCh}	64, 61.432, 5.637
Yxy	33.2987, 0.4421, 0.2857
Android (android.graphics.Color)	4294928532 (0xFFFF6894)
YUV	154.1650, -3.0393, 88.4323
Hunter-Lab	57.7050, 58.4066, 7.7969

Details

The Yxy color **33.2987, 0.4421, 0.2857** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.1509, 0.2578, 0.3833**, and the grayscale version is **32.3846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0140, 0.3632, 0.2866**, and **14.1525, 0.4833, 0.2698** is the 20% darker color. If you saturate the color by 10%, you get **28.3899, 0.4780, 0.2826**, and if you desaturate by 10%, it is **39.8516, 0.4098, 0.2914**.

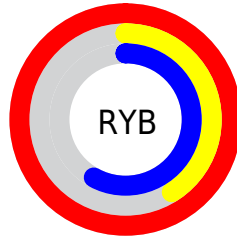
Distribution



Red (100%)

Green (41%)

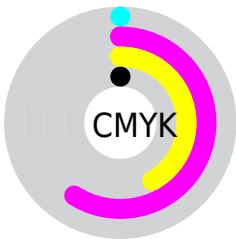
Blue (58%)



Red (100%)

Yellow (41%)

Blue (58%)

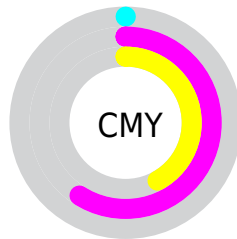


Cyan (0%)

Magenta (59%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2987, 0.4421, 0.2857 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 33.2987, 0.4421, 0.2857 by changing the saturation by 10% instead.


 33.2987, 0.4421,
0.2857


 33.2987, 0.4421,
0.2857


316.9935, 0.3739,
0.3095


 22.3554, 0.4601,
0.2791


 64.8416, 0.4166,
0.2948

 14.1183, 0.4837,
0.2703


 86.2099, 0.4072,
0.2981

 8.2030, 0.5158,
0.2579

 111.8221, 0.3994,
0.3008

 4.2251, 0.5616,
0.2396

 142.0624, 0.3927,
0.3031

 1.8003, 0.6308,
0.2104

177.3153, 0.3870,
0.3051

 0.4873, 0.8086,
0.1564

217.9652, 0.3821,

 0.0000, 1.0000,

0.3067

0.0000

264.3965, 0.3777,
0.3082

■ 0.0000, 0.0000,
0.0000

■ 33.2987, 0.4421,
0.2857

■ 33.2987, 0.4421,
0.2857

■ 28.3899, 0.4780,
0.2826

■ 39.8516, 0.4098,
0.2914

■ 24.9711, 0.5155,
0.2834

■ 48.1740, 0.3821,
0.2987

■ 22.8678, 0.5513,
0.2889

■ 58.3848, 0.3589,
0.3066

■ 21.8168, 0.5819,
0.2984

■ 70.5915, 0.3399,
0.3146

■ 21.7524, 0.5842,
0.2992

■ 84.8930, 0.3244,
0.3223

99.9946, 0.3127,
0.3290

Harmonies

Analogous

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



33.2987, 0.3471, 0.2330



33.2987, 0.4421, 0.2857



33.2987, 0.4963, 0.3487

Triad

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



33.2987, 0.4421, 0.2857



33.2987, 0.3478, 0.5075



33.2987, 0.1587, 0.2097

Complementary

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



33.2987, 0.4421, 0.2857



79.1509, 0.2578, 0.3833

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.



33.2987, 0.1583, 0.2656



33.2987, 0.4421, 0.2857



33.2987, 0.2601, 0.4641

Square

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



33.2987, 0.4421, 0.2857



33.2987, 0.4310, 0.4780



33.2987, 0.1918, 0.3612



33.2987, 0.1903, 0.1901

Rectangle

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



33.2987, 0.4421, 0.2857



33.2987, 0.4976, 0.3932



33.2987, 0.1918, 0.3612



33.2987, 0.1551, 0.2239

Sweetspot

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



33.3005, 0.4421, 0.2857



72.2090, 0.3379, 0.3156



30.7825, 0.2777, 0.1728



14.6343, 0.3429, 0.3133



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.



33.3005, 0.4421, 0.2857



27.6748, 0.4848, 0.2825



39.3669, 0.4771, 0.3592



18.0741, 0.3248, 0.3221



11.3914, 0.5799, 0.2968



1.1272, 0.5479, 0.2792

Inverse Universe

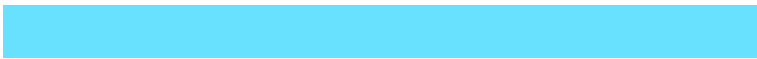
The Inverse Universe completely reimagines the original color for something new.



33.3005, 0.4421, 0.2857



27.6748, 0.4848, 0.2825



63.8973, 0.2314, 0.2921



18.0741, 0.3248, 0.3221



11.3914, 0.5799, 0.2968



1.1272, 0.5479, 0.2792

Previews

White Background



This preview shows how the Yxy color 33.2987, 0.4421, 0.2857 looks on a white background.

Color Contrast Check

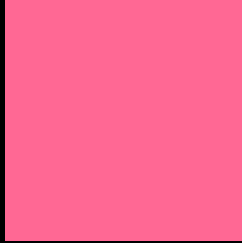
Large Text (above 18pt) WCAG AA × Fail

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 33.2987, 0.4421, 0.2857 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 33.2987, 0.4421, 0.2857

Background



This preview shows how black text looks on a background with the Yxy color 33.2987, 0.4421, 0.2857.



This preview shows how white text looks on a background with the Yxy color 33.2987, 0.4421, 0.2857.

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

33.2987, 0.4421, 0.2857

Protanopia

33.4293, 0.2907, 0.2954

Deuteranopia

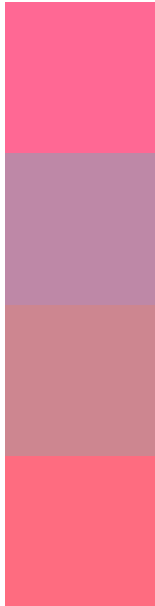
33.4034, 0.3496, 0.3434



Tritanopia

33.3189, 0.4773, 0.3226

Trichromacy



Original Color

33.2987, 0.4421, 0.2857

Protanomaly

31.3455, 0.3395, 0.2875

Deuteranomaly

32.0429, 0.3824, 0.3163

Tritanomaly

33.3545, 0.4655, 0.3097

Monochromacy



Original Color

33.2987, 0.4421, 0.2857

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

30.9517, 0.3571, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2987, 0.4421, 0.2857 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, 104, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 148)  
}
```

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, 104, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 148) }
```

Border

The CSS property to change the border of an element to Yxy 33.2987, 0.4421, 0.2857 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, 104, 148) }
```

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

```
.border{ border-color:rgb(255, 104, 148) }
```

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

Here you see how a box with a 4 pixel rgb(255, 104, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2987, 0.4421, 0.2857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 148) }
```

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

```
.background{ background-color: rgb(255,  
104, 148) }
```

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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