

Converting Colors

$Y_{xy}(33.1478, 0.4320, 0.2753)$

Have a look what the booklet for
Yxy(33.1478, 0.4320, 0.2753)
contains.

Yxy(33.1630, 0.4323, 0.2757)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.1630, 0.4323, 0.2757)

Conversions

Conversions Part 1

Format	Color
Hex	FF669C
RGB	255, 102, 156
RGB Percent	100%, 40%, 61%
CMY	0.0000, 0.6001, 0.3881
CMYK	0.00, 0.60, 0.39, 0.00
HSL	339°, 100%, 70%
HSV	339°, 60%, 100%
XYZ	51.9999, 33.1630, 35.1237
YIQ	153.9030, 73.8540, 49.2300

Conversions

Conversions Part 2

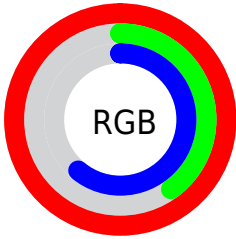
Format	Color
R _Y B	255, 102, 156
Decimal	16737948
CIE Lab	64.29, 62.85, 1.27
CIE LCh	64, 62.862, 1.158
Yxy	33.1630, 0.4323, 0.2757
Android (android.graphics.Color)	4294928028 (0xFFFF669C)
YUV	153.9030, 1.0338, 88.6621
Hunter-Lab	57.5873, 60.4031, 4.1490

Details

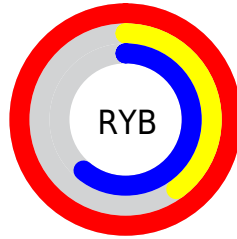
The Yxy color **33.1630, 0.4323, 0.2757** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.5588, 0.2615, 0.3968**, and the grayscale version is **32.2371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7094, 0.3561, 0.2766**, and **14.0751, 0.4704, 0.2587** is the 20% darker color. If you saturate the color by 10%, you get **28.3753, 0.4647, 0.2716**, and if you desaturate by 10%, it is **39.5623, 0.4030, 0.2828**.

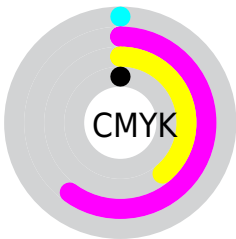
Distribution



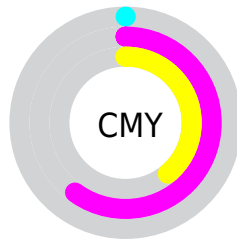
- Red (100%)
- Green (40%)
- Blue (61%)



- Red (100%)
- Yellow (40%)
- Blue (61%)



- Cyan (0%)
- Magenta (60%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1630, 0.4323, 0.2757 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 33.1630, 0.4323, 0.2757 by changing the saturation by 10% instead.


 33.1630, 0.4323,
0.2757

 33.1630, 0.4323,
0.2757


316.3836, 0.3695,
0.3039


 22.2513, 0.4488,
0.2682


 64.6299, 0.4089,
0.2863


 14.0417, 0.4704,
0.2584


 85.9540, 0.4002,
0.2901

 8.1497, 0.4998,
0.2450


 111.5176, 0.3930,
0.2934

 4.1909, 0.5418,
0.2257

 141.7053, 0.3869,
0.2961

 1.7809, 0.6057,
0.1960

176.9013, 0.3816,
0.2985

 0.4752, 0.7408,
0.1363

217.4901, 0.3771,

 0.0000, 1.0000,

0.3005

0.0000

263.8561, 0.3731,
0.3023

■ 0.0000, 0.0000,
0.0000

■ 33.1630, 0.4323,
0.2757

■ 33.1630, 0.4323,
0.2757

■ 28.3753, 0.4647,
0.2716

■ 39.5623, 0.4030,
0.2828

■ 25.0571, 0.4988,
0.2717

■ 47.7115, 0.3778,
0.2916

■ 23.0280, 0.5319,
0.2769

■ 57.7256, 0.3565,
0.3012

■ 21.9992, 0.5614,
0.2866

■ 69.7115, 0.3389,
0.3108

■ 83.7684, 0.3245,
0.3202

99.9883, 0.3127,
0.3290

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.



33.1630, 0.3324, 0.2246



33.1630, 0.4323, 0.2757



33.1630, 0.4964, 0.3386

Triad

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



33.1630, 0.4323, 0.2757



33.1630, 0.3614, 0.5113



33.1630, 0.1537, 0.2130

Complementary

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



33.1630, 0.4323, 0.2757



78.5588, 0.2615, 0.3968

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.



33.1630, 0.1580, 0.2760



33.1630, 0.4323, 0.2757



33.1630, 0.2712, 0.4799

Square

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



33.1630, 0.4323, 0.2757



33.1630, 0.4440, 0.4723



33.1630, 0.1973, 0.3788



33.1630, 0.1810, 0.1884

Rectangle

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



33.1630, 0.4323, 0.2757



33.1630, 0.5038, 0.3835



33.1630, 0.1973, 0.3788



33.1630, 0.1516, 0.2292

Sweetspot

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



33.1605, 0.4323, 0.2757



72.3632, 0.3358, 0.3127



28.8469, 0.2679, 0.1668



14.6715, 0.3404, 0.3100



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.



33.1605, 0.4323, 0.2757



27.6020, 0.4715, 0.2712



36.2328, 0.4881, 0.3492



18.0930, 0.3238, 0.3206



11.5206, 0.5571, 0.2843



1.1416, 0.5256, 0.2669

Inverse Universe

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



33.1605, 0.4323, 0.2757



27.6020, 0.4715, 0.2712



69.2303, 0.2335, 0.3043



18.0930, 0.3238, 0.3206



11.5206, 0.5571, 0.2843



1.1416, 0.5256, 0.2669

Previews

White Background



This preview shows how the Yxy color 33.1630, 0.4323, 0.2757 looks on a white background.

Color Contrast Check

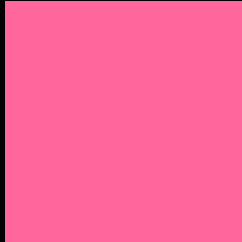
Large Text (above 18pt) WCAG AA × Fail

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 33.1630, 0.4323, 0.2757 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 33.1630, 0.4323, 0.2757

Background



This preview shows how black text looks on a background with the Yxy color 33.1630, 0.4323, 0.2757.



This preview shows how white text looks on a background with the Yxy color 33.1630, 0.4323, 0.2757.

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

33.1630, 0.4323, 0.2757

Protanopia

33.4631, 0.2791, 0.2813

Deuteranopia

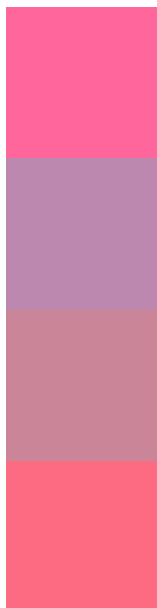
33.3018, 0.3384, 0.3320



Tritanopia

33.1317, 0.4764, 0.3226

Trichromacy



Original Color

33.1630, 0.4323, 0.2757

Protanomaly

31.4343, 0.3279, 0.2758

Deuteranomaly

31.7386, 0.3712, 0.3045

Tritanomaly

33.0367, 0.4612, 0.3056

Monochromacy



Original Color

33.1630, 0.4323, 0.2757

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

30.7709, 0.3540, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1630, 0.4323, 0.2757 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 156) }
```

Border

The CSS property to change the border of an element to Yxy 33.1630, 0.4323, 0.2757 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, 156) }
```

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

```
.border{ border-color:rgb(255, 102, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1630, 0.4323, 0.2757 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, 156) }
```

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

```
.background{ background-color: rgb(255,  
102, 156) }
```

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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