

Converting Colors

$Y_{xy}(46.3316, 0.4617, 0.2709)$

Have a look what the booklet for
Yxy(46.3316, 0.4617, 0.2709)
contains.

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Color

Yxy(33.1300, 0.4073, 0.2525)

Conversions

Conversions Part 1

Format	Color
Hex	FF62B0
RGB	255, 98, 176
RGB Percent	100%, 38%, 69%
CMY	0.0000, 0.6156, 0.3099
CMYK	0.00, 0.62, 0.31, 0.00
HSL	330°, 100%, 69%
HSV	330°, 62%, 100%
XYZ	53.4410, 33.1300, 44.6369
YIQ	153.8350, 68.5340, 57.5420

Conversions

Conversions Part 2

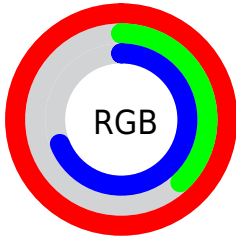
Format	Color
R _Y B	255, 98, 176
Decimal	16736944
CIE Lab	64.27, 66.71, -10.18
CIE LCh	64, 67.480, 351.320
Yxy	33.1300, 0.4073, 0.2525
Android (android.graphics.Color)	4294927024 (0xFFFF62B0)
YUV	153.8350, 10.9273, 88.7217
Hunter-Lab	57.5587, 65.0027, -5.6885

Details

The Yxy color **33.1300, 0.4073, 0.2525** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.2920, 0.2708, 0.4294**, and the grayscale version is **32.1700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8631, 0.3365, 0.2529**, and **14.0123, 0.4345, 0.2304** is the 20% darker color. If you saturate the color by 10%, you get **28.6107, 0.4313, 0.2458**, and if you desaturate by 10%, it is **39.2201, 0.3854, 0.2626**.

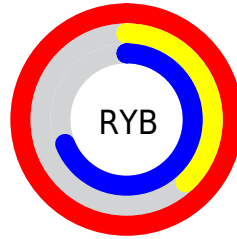
Distribution



Red (100%)

Green (38%)

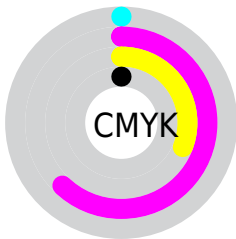
Blue (69%)



Red (100%)

Yellow (38%)

Blue (69%)

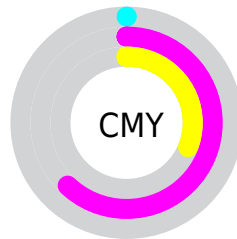


Cyan (0%)

Magenta (62%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1300, 0.4073, 0.2525 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 33.1300, 0.4073, 0.2525 by changing the saturation by 10% instead.


 33.1300, 0.4073,
0.2525


 33.1300, 0.4073,
0.2525


316.2351, 0.3587,
0.2907

 22.2261, 0.4198,
0.2431


 64.5784, 0.3894,
0.2663


 14.0231, 0.4359,
0.2310


 85.8917, 0.3827,
0.2715

 8.1367, 0.4577,
0.2152


 111.4436, 0.3771,
0.2759

 4.1826, 0.4884,
0.1937

 141.6184, 0.3723,
0.2797

 1.7762, 0.5344,
0.1629

176.8005, 0.3682,
0.2830

 0.4723, 0.6174,
0.1049

217.3745, 0.3646,

 0.0000, 0.9804,

0.2859

0.0000

263.7245, 0.3615,
0.2884

■ 0.0000, 0.0000,
0.0000

■ 33.1300, 0.4073,
0.2525

■ 33.1300, 0.4073,
0.2525

■ 28.6107, 0.4313,
0.2458

■ 39.2201, 0.3854,
0.2626

■ 25.5056, 0.4565,
0.2437

■ 47.0075, 0.3660,
0.2748

■ 23.6344, 0.4815,
0.2470

■ 56.6117, 0.3494,
0.2880

■ 22.7820, 0.5016,
0.2537

■ 68.1397, 0.3354,
0.3015

■ 81.6904, 0.3237,
0.3146

97.3557, 0.3141,
0.3271

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



33.1300, 0.2984, 0.2052



33.1300, 0.4073, 0.2525



33.1300, 0.4940, 0.3150

Triad

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



33.1300, 0.4073, 0.2525



33.1300, 0.3931, 0.5157



33.1300, 0.1427, 0.2218

Complementary

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



33.1300, 0.4073, 0.2525



77.2920, 0.2708, 0.4294

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.



33.1300, 0.1579, 0.3033



33.1300, 0.4073, 0.2525



33.1300, 0.2977, 0.5141

Square

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



33.1300, 0.4073, 0.2525



33.1300, 0.4739, 0.4570



33.1300, 0.2113, 0.4227



33.1300, 0.1605, 0.1847

Rectangle

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



33.1300, 0.4073, 0.2525



33.1300, 0.5168, 0.3608



33.1300, 0.2113, 0.4227



33.1300, 0.1439, 0.2435

Sweetspot

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



33.1317, 0.4073, 0.2525



72.7301, 0.3310, 0.3062



25.2481, 0.2480, 0.1549



14.7605, 0.3346, 0.3024



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.



33.1317, 0.4073, 0.2525



27.7298, 0.4374, 0.2448



30.8805, 0.5103, 0.3296



18.1375, 0.3216, 0.3173



11.9345, 0.4979, 0.2516



1.1841, 0.4723, 0.2375

Inverse Universe

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



33.1317, 0.4073, 0.2525



27.7298, 0.4374, 0.2448



81.3357, 0.2379, 0.3288



18.1375, 0.3216, 0.3173



11.9345, 0.4979, 0.2516



1.1841, 0.4723, 0.2375

Previews

White Background



This preview shows how the Yxy color 33.1300, 0.4073, 0.2525 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 33.1300, 0.4073, 0.2525 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 33.1300, 0.4073, 0.2525

Background



This preview shows how black text looks on a background with the Yxy color 33.1300, 0.4073, 0.2525.



This preview shows how white text looks on a background with the Yxy color 33.1300, 0.4073, 0.2525.

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

33.1300, 0.4073, 0.2525

Protanopia

33.3695, 0.2516, 0.2457

Deuteranopia

33.3906, 0.3118, 0.3060



Tritanopia

33.0248, 0.4715, 0.3214

Trichromacy



Original Color

33.1300, 0.4073, 0.2525



Protanomaly

31.0441, 0.2977, 0.2431



Deuteranomaly

31.4486, 0.3445, 0.2786



Tritanomaly

32.8970, 0.4489, 0.2952

Monochromacy



Original Color

33.1300, 0.4073, 0.2525



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.7352, 0.3464, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1300, 0.4073, 0.2525 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, 98, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 176)  
}
```

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, 98, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 176) }
```

Border

The CSS property to change the border of an element to Yxy 33.1300, 0.4073, 0.2525 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, 98, 176) }
```

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

```
.border{ border-color:rgb(255, 98, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 98, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1300, 0.4073, 0.2525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 176) }
```

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

```
.background{ background-color: rgb(255, 98,  
176) }
```

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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