

Converting Colors

$Y_{xy}(33.9760, 0.4037, 0.2539)$

Have a look what the booklet for
Yxy(33.9760, 0.4037, 0.2539)
contains.

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Color

Yxy(33.9771, 0.4037, 0.2539)

Conversions

Conversions Part 1

Format	Color
Hex	FF66B2
RGB	255, 102, 178
RGB Percent	100%, 40%, 70%
CMY	0.0000, 0.5999, 0.3020
CMYK	0.00, 0.60, 0.30, 0.00
HSL	330°, 100%, 70%
HSV	330°, 60%, 100%
XYZ	54.0235, 33.9771, 45.8202
YIQ	156.4110, 66.7920, 56.0720

Conversions

Conversions Part 2

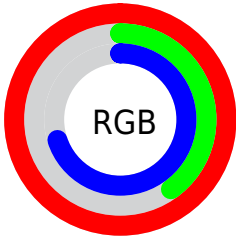
Format	Color
R _Y B	255, 102, 178
Decimal	16737970
CIE Lab	64.94, 65.28, -10.32
CIE LCh	65, 66.088, 351.020
Yxy	33.9771, 0.4037, 0.2539
Android (android.graphics.Color)	4294928050 (0xFFFF66B2)
YUV	156.4110, 10.6434, 86.4626
Hunter-Lab	58.2899, 63.4277, -5.8035

Details

The Yxy color **33.9771, 0.4037, 0.2539** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.5968, 0.2713, 0.4263**, and the grayscale version is **33.3709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9968, 0.3345, 0.2539**, and **14.4676, 0.4310, 0.2335** is the 20% darker color. If you saturate the color by 10%, you get **29.2214, 0.4275, 0.2466**, and if you desaturate by 10%, it is **40.3254, 0.3821, 0.2644**.

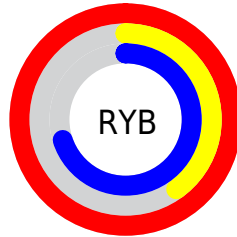
Distribution



Red (100%)

Green (40%)

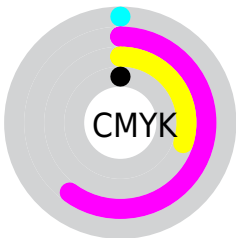
Blue (70%)



Red (100%)

Yellow (40%)

Blue (70%)

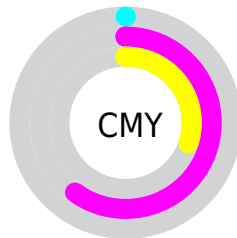


Cyan (0%)

Magenta (60%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (60%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9771, 0.4037, 0.2539 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 33.9771, 0.4037, 0.2539 by changing the saturation by 10% instead.


 33.9771, 0.4037,
0.2539


 33.9771, 0.4037,
0.2539


320.0299, 0.3571,
0.2913


 22.8760, 0.4156,
0.2447


 65.8981, 0.3866,
0.2674

 14.5020, 0.4310,
0.2330


 87.4867, 0.3802,
0.2725

 8.4706, 0.4517,
0.2177


 113.3400, 0.3748,
0.2768

 4.3975, 0.4807,
0.1967

 143.8423, 0.3702,
0.2805

 1.8983, 0.5242,
0.1669

179.3781, 0.3663,
0.2837

 0.5474, 0.5998,
0.1147

220.3317, 0.3628,

 0.0000, 0.9063,

0.2866

0.0000

267.0875, 0.3598,
0.2890

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.9771, 0.4037,
0.2539

■ 33.9771, 0.4037,
0.2539

■ 29.2214, 0.4275,
0.2466

■ 40.3254, 0.3821,
0.2644

■ 25.9051, 0.4525,
0.2436

■ 48.3902, 0.3632,
0.2769

■ 23.8542, 0.4776,
0.2461

■ 58.2892, 0.3471,
0.2902

■ 22.7817, 0.5016,
0.2537

■ 70.1280, 0.3334,
0.3036

■ 22.7809, 0.5016,
0.2537

■ 84.0042, 0.3221,
0.3166

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



33.9771, 0.2980, 0.2077



33.9771, 0.4037, 0.2539



33.9771, 0.4884, 0.3153

Triad

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



33.9771, 0.4037, 0.2539



33.9771, 0.3929, 0.5105



33.9771, 0.1464, 0.2253

Complementary

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



33.9771, 0.4037, 0.2539



77.5968, 0.2713, 0.4263

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.



33.9771, 0.1620, 0.3055



33.9771, 0.4037, 0.2539



33.9771, 0.2998, 0.5086

Square

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



33.9771, 0.4037, 0.2539



33.9771, 0.4712, 0.4542



33.9771, 0.2149, 0.4210



33.9771, 0.1635, 0.1883

Rectangle

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



33.9771, 0.4037, 0.2539



33.9771, 0.5113, 0.3603



33.9771, 0.2149, 0.4210



33.9771, 0.1477, 0.2469

Sweetspot

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



33.9788, 0.4037, 0.2539



72.7301, 0.3310, 0.3062



26.2512, 0.2501, 0.1591



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.



33.9788, 0.4037, 0.2539



28.4465, 0.4324, 0.2456



31.7250, 0.5027, 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.



33.9788, 0.4037, 0.2539



28.4465, 0.4324, 0.2456



81.5603, 0.2390, 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 33.9771, 0.4037, 0.2539 looks on a white background.

Color Contrast Check

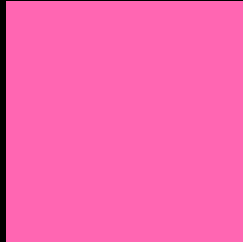
Large Text (above 18pt) WCAG AA × Fail

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 33.9771, 0.4037, 0.2539 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 33.9771, 0.4037, 0.2539

Background



This preview shows how black text looks on a background with the Yxy color 33.9771, 0.4037, 0.2539.



This preview shows how white text looks on a background with the Yxy color 33.9771, 0.4037, 0.2539.

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

33.9771, 0.4037, 0.2539

Protanopia

34.3460, 0.2536, 0.2479

Deuteranopia

34.0096, 0.3119, 0.3048



Tritanopia

33.7638, 0.4659, 0.3214

Trichromacy



Original Color

33.9771, 0.4037, 0.2539



Protanomaly

31.8177, 0.2969, 0.2437



Deuteranomaly

32.3467, 0.3441, 0.2791



Tritanomaly

33.8003, 0.4445, 0.2969

Monochromacy



Original Color

33.9771, 0.4037, 0.2539



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.4951, 0.3449, 0.2917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9771, 0.4037, 0.2539 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 178) }
```

Border

The CSS property to change the border of an element to Yxy 33.9771, 0.4037, 0.2539 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, 178) }
```

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

```
.border{ border-color:rgb(255, 102, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9771, 0.4037, 0.2539 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
102, 178) }
```

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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