

Converting Colors

$Y_{xy}(39.3462, 0.4188, 0.2463)$

Have a look what the booklet for
Yxy(39.3462, 0.4188, 0.2463)
contains.

Yxy(33.0270, 0.3891, 0.2351)	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(33.0270, 0.3891, 0.2351)

Conversions

Conversions Part 1

Format	Color
Hex	FF5EBF
RGB	255, 94, 191
RGB Percent	100%, 37%, 75%
CMY	0.0000, 0.6316, 0.2509
CMYK	0.00, 0.63, 0.25, 0.00
HSL	324°, 100%, 68%
HSV	324°, 63%, 100%
XYZ	54.6610, 33.0270, 52.7926
YIQ	153.1970, 64.8190, 64.2990

Conversions

Conversions Part 2

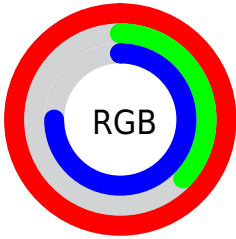
Format	Color
R _Y B	255, 94, 191
Decimal	16735935
CIE Lab	64.18, 70.18, -18.87
CIE LCh	64, 72.677, 344.947
Yxy	33.0270, 0.3891, 0.2351
Android (android.graphics.Color)	4294926015 (0xFFFF5EBF)
YUV	153.1970, 18.6369, 89.2812
Hunter-Lab	57.4691, 69.2070, -14.2369

Details

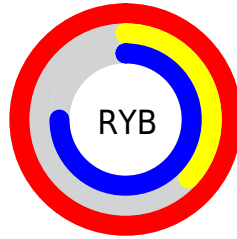
The Yxy color **33.0270, 0.3891, 0.2351** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **76.3638, 0.2778, 0.4559**, and the grayscale version is **31.8294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4319, 0.3240, 0.2359**, and **13.8883, 0.4109, 0.2108** is the 20% darker color. If you saturate the color by 10%, you get **28.7808, 0.4070, 0.2267**, and if you desaturate by 10%, it is **38.7860, 0.3723, 0.2471**.

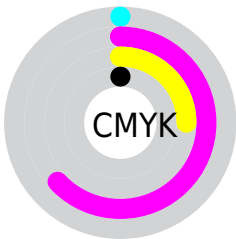
Distribution



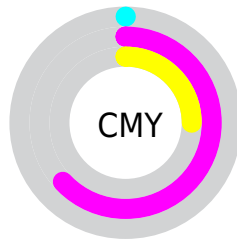
- Red (100%)
- Green (37%)
- Blue (75%)



- Red (100%)
- Yellow (37%)
- Blue (75%)



- Cyan (0%)
- Magenta (63%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (63%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0270, 0.3891, 0.2351 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 33.0270, 0.3891, 0.2351 by changing the saturation by 10% instead.


 33.0270, 0.3891,
0.2351


 33.0270, 0.3891,
0.2351


315.7714, 0.3509,
0.2807

 22.1471, 0.3986,
0.2242


 64.4177, 0.3752,
0.2513

 13.9650, 0.4107,
0.2107


 85.6973, 0.3700,
0.2575

 8.0964, 0.4266,
0.1932


 111.2122, 0.3656,
0.2628

 4.1567, 0.4485,
0.1701

 141.3470, 0.3618,
0.2673

 1.7616, 0.4801,
0.1384

176.4859, 0.3586,
0.2713

 0.4631, 0.5349,
0.0839

217.0133, 0.3557,

 0.0000, 0.6461,

0.2748

0.0000

263.3137, 0.3531,
0.2779

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.0270, 0.3891,
0.2351

■ 33.0270, 0.3891,
0.2351

■ 28.7808, 0.4070,
0.2267

■ 38.7860, 0.3723,
0.2471

■ 25.9153, 0.4256,
0.2231

■ 46.2139, 0.3573,
0.2614

■ 24.2350, 0.4439,
0.2249

■ 55.4224, 0.3440,
0.2771

■ 23.5827, 0.4562,
0.2287

■ 66.5194, 0.3327,
0.2932

 79.6042, 0.3231,
0.3091

 94.7694, 0.3150,
0.3244

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.



33.0270, 0.2742, 0.1904



33.0270, 0.3891, 0.2351



33.0270, 0.4929, 0.2977

Triad

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



33.0270, 0.3891, 0.2351



33.0270, 0.4158, 0.5171



33.0270, 0.1334, 0.2276

Complementary

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



33.0270, 0.3891, 0.2351



76.3638, 0.2778, 0.4559

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.



33.0270, 0.1564, 0.3252



33.0270, 0.3891, 0.2351



33.0270, 0.3161, 0.5387

Square

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



33.0270, 0.3891, 0.2351



33.0270, 0.4966, 0.4455



33.0270, 0.2205, 0.4583



33.0270, 0.1451, 0.1807

Rectangle

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



33.0270, 0.3891, 0.2351



33.0270, 0.5275, 0.3444



33.0270, 0.2205, 0.4583



33.0270, 0.1369, 0.2540

Sweetspot

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



33.0195, 0.3890, 0.2351



71.7095, 0.3285, 0.2999



22.2542, 0.2304, 0.1436



14.5761, 0.3313, 0.2953



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.



33.0195, 0.3890, 0.2351



27.8333, 0.4123, 0.2252



30.4438, 0.4943, 0.3121



18.1710, 0.3199, 0.3148



12.3527, 0.4533, 0.2271



1.2243, 0.4340, 0.2165

Inverse Universe

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



33.0195, 0.3890, 0.2351



27.8333, 0.4123, 0.2252



79.9657, 0.2441, 0.3514



18.1710, 0.3199, 0.3148



12.3527, 0.4533, 0.2271



1.2243, 0.4340, 0.2165

Previews

White Background



This preview shows how the Yxy color 33.0270, 0.3891, 0.2351 looks on a white background.

Color Contrast Check

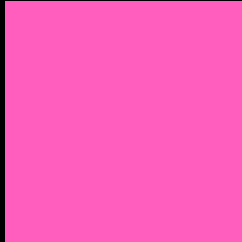
Large Text (above 18pt) WCAG AA × Fail

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 33.0270, 0.3891, 0.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

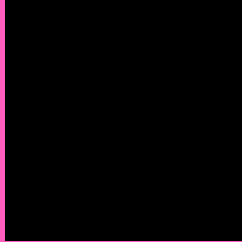
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0270, 0.3891, 0.2351

Background



This preview shows how black text looks on a background with the Yxy color 33.0270, 0.3891, 0.2351.



This preview shows how white text looks on a background with the Yxy color 33.0270, 0.3891, 0.2351.

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

33.0270, 0.3891, 0.2351

Protanopia

33.3698, 0.2324, 0.2198

Deuteranopia

33.1030, 0.2918, 0.2860



Tritanopia

33.0600, 0.4699, 0.3224

Trichromacy



Original Color

33.0270, 0.3891, 0.2351



Protanomaly

30.6157, 0.2749, 0.2187



Deuteranomaly

31.0728, 0.3245, 0.2594



Tritanomaly

32.6567, 0.4418, 0.2888

Monochromacy



Original Color

33.0270, 0.3891, 0.2351



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.2397, 0.3402, 0.2822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0270, 0.3891, 0.2351 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, 94, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 191)  
}
```

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, 94, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 191) }
```

Border

The CSS property to change the border of an element to Yxy 33.0270, 0.3891, 0.2351 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, 94, 191) }
```

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

```
.border{ border-color:rgb(255, 94, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 94, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0270, 0.3891, 0.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 191) }
```

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

```
.background{ background-color: rgb(255, 94,  
191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor