

Converting Colors

$Y_{xy}(33.8860, 0.4066, 0.2561)$

Have a look what the booklet for
Yxy(33.8860, 0.4066, 0.2561)
contains.

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Color

Yxy(33.8973, 0.4062, 0.2558)

Conversions

Conversions Part 1

Format	Color
Hex	FF66B0
RGB	255, 102, 176
RGB Percent	100%, 40%, 69%
CMY	0.0000, 0.6000, 0.3097
CMYK	0.00, 0.60, 0.31, 0.00
HSL	331°, 100%, 70%
HSV	331°, 60%, 100%
XYZ	53.8275, 33.8973, 44.7900
YIQ	156.1830, 67.4340, 55.4500

Conversions

Conversions Part 2

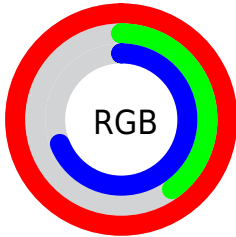
Format	Color
R_{YB}	255, 102, 176
Decimal	16737968
CIE _{Lab}	64.88, 65.05, -9.29
CIE _{LCh}	65, 65.710, 351.870
Yxy	33.8973, 0.4062, 0.2558
Android (android.graphics.Color)	4294928048 (0xFFFF66B0)
YUV	156.1830, 9.7698, 86.6625
Hunter-Lab	58.2214, 63.1415, -4.8571

Details

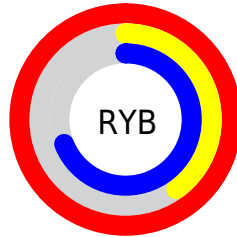
The Yxy color **33.8973, 0.4062, 0.2558** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.6769, 0.2704, 0.4237**, and the grayscale version is **33.2671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8825, 0.3362, 0.2558**, and **14.4422, 0.4330, 0.2347** is the 20% darker color. If you saturate the color by 10%, you get **29.1376, 0.4307, 0.2487**, and if you desaturate by 10%, it is **40.2518, 0.3840, 0.2660**.

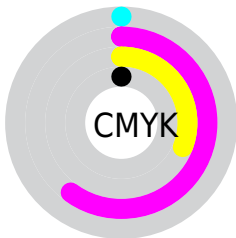
Distribution



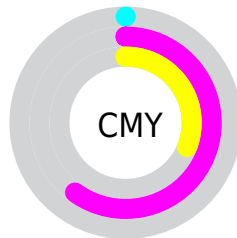
- Red (100%)
- Green (40%)
- Blue (69%)



- Red (100%)
- Yellow (40%)
- Blue (69%)



- Cyan (0%)
- Magenta (60%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8973, 0.4062, 0.2558 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 33.8973, 0.4062, 0.2558 by changing the saturation by 10% instead.


 33.8973, 0.4062,
0.2558


 33.8973, 0.4062,
0.2558


319.6739, 0.3582,
0.2924


 22.8147, 0.4185,
0.2468


 65.7739, 0.3885,
0.2690

 14.4568, 0.4344,
0.2352


 87.3368, 0.3819,
0.2740

 8.4390, 0.4559,
0.2200


 113.1618, 0.3764,
0.2783

 4.3771, 0.4861,
0.1993

 143.6334, 0.3717,
0.2819

 1.8867, 0.5315,
0.1695

179.1361, 0.3676,
0.2850

 0.5404, 0.6109,
0.1165

220.0541, 0.3641,

 0.0000, 0.9703,

0.2878

0.0000

266.7719, 0.3610,
0.2902

■ 0.0000, 0.0000,
0.0000

■ 33.8973, 0.4062,
0.2558

■ 33.8973, 0.4062,
0.2558

■ 29.1376, 0.4307,
0.2487

■ 40.2518, 0.3840,
0.2660

■ 25.8196, 0.4566,
0.2461

■ 48.3251, 0.3645,
0.2781

■ 23.7688, 0.4825,
0.2489

■ 58.2351, 0.3479,
0.2911

■ 22.6983, 0.5071,
0.2567

■ 70.0874, 0.3339,
0.3042

■ 22.6978, 0.5071,
0.2567

■ 83.9798, 0.3223,
0.3169

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



33.8973, 0.3009, 0.2091



33.8973, 0.4062, 0.2558



33.8973, 0.4891, 0.3173

Triad

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



33.8973, 0.4062, 0.2558



33.8973, 0.3902, 0.5107



33.8973, 0.1470, 0.2242

Complementary

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



33.8973, 0.4062, 0.2558



77.6769, 0.2704, 0.4237

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.



33.8973, 0.1617, 0.3028



33.8973, 0.4062, 0.2558



33.8973, 0.2973, 0.5062

Square

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



33.8973, 0.4062, 0.2558



33.8973, 0.4688, 0.4558



33.8973, 0.2134, 0.4172



33.8973, 0.1650, 0.1883

Rectangle

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



33.8973, 0.4062, 0.2558



33.8973, 0.5106, 0.3623



33.8973, 0.2134, 0.4172



33.8973, 0.1481, 0.2453

Sweetspot

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



33.8990, 0.4062, 0.2558



72.6968, 0.3314, 0.3068



26.2490, 0.2501, 0.1591



14.7524, 0.3351, 0.3030



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.



33.8990, 0.4062, 0.2558



28.3633, 0.4358, 0.2478



31.7232, 0.5027, 0.3296



18.1335, 0.3218, 0.3176



11.8907, 0.5033, 0.2546



1.1797, 0.4770, 0.2401

Inverse Universe

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



33.8990, 0.4062, 0.2558



28.3633, 0.4358, 0.2478



81.5609, 0.2390, 0.3288



18.1335, 0.3218, 0.3176



11.8907, 0.5033, 0.2546



1.1797, 0.4770, 0.2401

Previews

White Background



This preview shows how the Yxy color 33.8973, 0.4062, 0.2558 looks on a white background.

Color Contrast Check

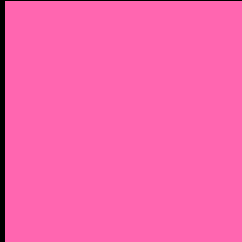
Large Text (above 18pt) WCAG AA × Fail

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 33.8973, 0.4062, 0.2558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

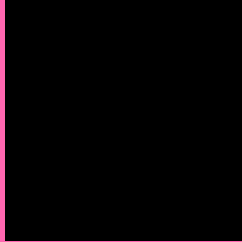
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8973, 0.4062, 0.2558

Background



This preview shows how black text looks on a background with the Yxy color 33.8973, 0.4062, 0.2558.



This preview shows how white text looks on a background with the Yxy color 33.8973, 0.4062, 0.2558.

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

33.8973, 0.4062, 0.2558

Protanopia

34.2812, 0.2563, 0.2516

Deuteranopia

33.9344, 0.3137, 0.3076



Tritanopia

33.9490, 0.4669, 0.3214

Trichromacy



Original Color

33.8973, 0.4062, 0.2558



Protanomaly

31.7991, 0.3005, 0.2473



Deuteranomaly

32.2698, 0.3463, 0.2815



Tritanomaly

33.8003, 0.4445, 0.2969

Monochromacy



Original Color

33.8973, 0.4062, 0.2558



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.4591, 0.3460, 0.2930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8973, 0.4062, 0.2558 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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, 102, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 176) }
```

Border

The CSS property to change the border of an element to Yxy 33.8973, 0.4062, 0.2558 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, 176) }
```

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

```
.border{ border-color:rgb(255, 102, 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, 102, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8973, 0.4062, 0.2558 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, 176) }
```

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

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