

Converting Colors

$Y_{xy}(34.3741, 0.3917, 0.2447)$

Have a look what the booklet for
Yxy(34.3741, 0.3917, 0.2447)
contains.

Yxy(34.3936, 0.3912, 0.2443)	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(34.3936, 0.3912, 0.2443)

Conversions

Conversions Part 1

Format	Color
Hex	FF66BC
RGB	255, 102, 188
RGB Percent	100%, 40%, 74%
CMY	0.0000, 0.6001, 0.2627
CMYK	0.00, 0.60, 0.26, 0.00
HSL	326°, 100%, 70%
HSV	326°, 60%, 100%
XYZ	55.0748, 34.3936, 51.3159
YIQ	157.5510, 63.5820, 59.1820

Conversions

Conversions Part 2

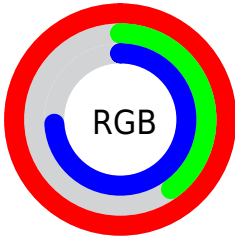
Format	Color
R_{YB}	255, 102, 188
Decimal	16737980
CIE _{Lab}	65.27, 66.53, -15.51
CIE _{LCh}	65, 68.312, 346.873
Yxy	34.3936, 0.3912, 0.2443
Android (android.graphics.Color)	4294928060 (0xFFFF66BC)
YUV	157.5510, 15.0114, 85.4628
Hunter-Lab	58.6461, 64.9997, -10.8271

Details

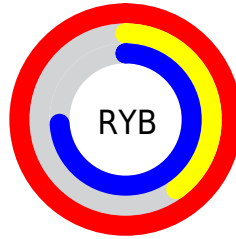
The Yxy color **34.3936, 0.3912, 0.2443** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.2078, 0.2758, 0.4400**, and the grayscale version is **33.8835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9333, 0.3260, 0.2460**, and **14.8024, 0.4137, 0.2218** is the 20% darker color. If you saturate the color by 10%, you get **29.6642, 0.4111, 0.2355**, and if you desaturate by 10%, it is **40.6962, 0.3730, 0.2563**.

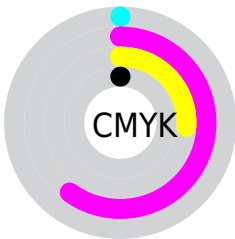
Distribution



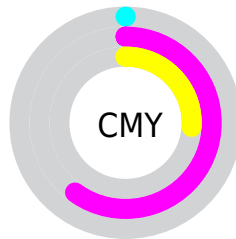
- Red (100%)
- Green (40%)
- Blue (74%)



- Red (100%)
- Yellow (40%)
- Blue (74%)



- Cyan (0%)
- Magenta (60%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3936, 0.3912, 0.2443 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 34.3936, 0.3912, 0.2443 by changing the saturation by 10% instead.

 34.3936, 0.3912,
0.2443


 34.3936, 0.3912,
0.2443


321.8836, 0.3517,
0.2856


 23.1961, 0.4011,
0.2344


 66.5453, 0.3768,
0.2591


 14.7384, 0.4137,
0.2219


 88.2683, 0.3714,
0.2647

 8.6360, 0.4305,
0.2057


 114.2686, 0.3669,
0.2695

 4.5045, 0.4538,
0.1841

 144.9306, 0.3630,
0.2736

 1.9596, 0.4878,
0.1540

180.6387, 0.3596,
0.2772

 0.5838, 0.5446,
0.1056

221.7773, 0.3566,

 0.0000, 0.6926,

0.2803

0.0000

268.7308, 0.3540,
0.2831

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3936, 0.3912,
0.2443

■ 34.3936, 0.3912,
0.2443

■ 29.6642, 0.4111,
0.2355

■ 40.6962, 0.3730,
0.2563

■ 26.3678, 0.4320,
0.2312


■ 48.7079, 0.3568,
0.2703

■ 24.3264, 0.4530,
0.2321

■ 58.5419, 0.3429,
0.2852

■ 23.2539, 0.4733,
0.2381

■ 70.3034, 0.3310,
0.3003

 84.0896, 0.3210,
0.3150

99.9910, 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.



34.3936, 0.2835, 0.2001



34.3936, 0.3912, 0.2443



34.3936, 0.4846, 0.3052

Triad

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



34.3936, 0.3912, 0.2443



34.3936, 0.4065, 0.5093



34.3936, 0.1428, 0.2308

Complementary

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



34.3936, 0.3912, 0.2443



77.2078, 0.2758, 0.4400

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.



34.3936, 0.1634, 0.3194



34.3936, 0.3912, 0.2443



34.3936, 0.3119, 0.5202

Square

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



34.3936, 0.3912, 0.2443



34.3936, 0.4832, 0.4464



34.3936, 0.2225, 0.4403



34.3936, 0.1559, 0.1879

Rectangle

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



34.3936, 0.3912, 0.2443



34.3936, 0.5145, 0.3504



34.3936, 0.2225, 0.4403



34.3936, 0.1457, 0.2549

Sweetspot

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



34.3912, 0.3912, 0.2443



72.9026, 0.3288, 0.3033



25.0771, 0.2416, 0.1553



14.8026, 0.3320, 0.2989



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.



34.3912, 0.3912, 0.2443



28.8975, 0.4152, 0.2343



31.9341, 0.4901, 0.3199



18.1581, 0.3206, 0.3157



12.1812, 0.4701, 0.2364



1.2080, 0.4484, 0.2244

Inverse Universe

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



34.3912, 0.3912, 0.2443



28.8975, 0.4152, 0.2343



80.9243, 0.2430, 0.3409



18.1581, 0.3206, 0.3157



12.1812, 0.4701, 0.2364



1.2080, 0.4484, 0.2244

Previews

White Background



This preview shows how the Yxy color 34.3936, 0.3912, 0.2443 looks on a white background.

Color Contrast Check

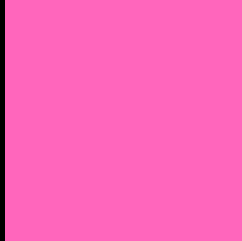
Large Text (above 18pt) WCAG AA × Fail

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 34.3936, 0.3912, 0.2443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

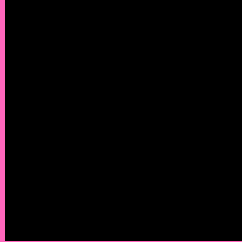
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3936, 0.3912, 0.2443

Background



This preview shows how black text looks on a background with the Yxy color 34.3936, 0.3912, 0.2443.



This preview shows how white text looks on a background with the Yxy color 34.3936, 0.3912, 0.2443.

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

34.3936, 0.3912, 0.2443

Protanopia

34.6414, 0.2434, 0.2338

Deuteranopia

34.6305, 0.2991, 0.2937



Tritanopia

34.3430, 0.4595, 0.3212

Trichromacy



Original Color

34.3936, 0.3912, 0.2443



Protanomaly

32.1157, 0.2855, 0.2314



Deuteranomaly

32.8975, 0.3302, 0.2690



Tritanomaly

34.2357, 0.4349, 0.2924

Monochromacy



Original Color

34.3936, 0.3912, 0.2443



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.3790, 0.3403, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3936, 0.3912, 0.2443 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 188) }
```

Border

The CSS property to change the border of an element to Yxy 34.3936, 0.3912, 0.2443 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, 188) }
```

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

```
.border{ border-color:rgb(255, 102, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3936, 0.3912, 0.2443 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, 188) }
```

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

```
.background{ background-color: rgb(255,  
102, 188) }
```

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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