

Converting Colors

$Y_{xy}(34.2463, 0.3747, 0.2441)$

Have a look what the booklet for
Yxy(34.2463, 0.3747, 0.2441)
contains.

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Color

Yxy(34.3701, 0.3745, 0.2440)

Conversions

Conversions Part 1

Format	Color
Hex	F56EC0
RGB	245, 110, 192
RGB Percent	96%, 43%, 75%
CMY	0.0392, 0.5687, 0.2470
CMYK	0.00, 0.55, 0.22, 0.04
HSL	324°, 87%, 70%
HSV	324°, 55%, 96%
XYZ	52.7525, 34.3701, 53.7385
YIQ	159.7130, 54.1380, 54.1220

Conversions

Conversions Part 2

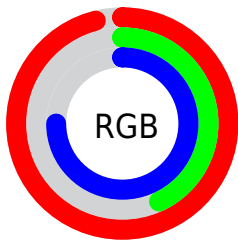
Format	Color
R _Y B	245, 110, 192
Decimal	16084672
CIE Lab	65.26, 60.66, -17.96
CIE LCh	65, 63.266, 343.509
Yxy	34.3701, 0.3745, 0.2440
Android (android.graphics.Color)	4294274752 (0xFFFF56EC0)
YUV	159.7130, 15.9175, 74.7967
Hunter-Lab	58.6260, 58.0211, -13.3089

Details

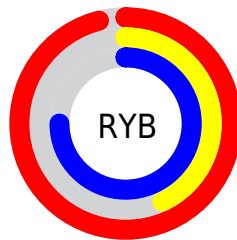
The Yxy color **34.3701, 0.3745, 0.2440** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **71.2713, 0.2804, 0.4374**, and the grayscale version is **34.9218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3097, 0.3223, 0.2482**, and **14.7301, 0.3931, 0.2221** is the 20% darker color. If you saturate the color by 10%, you get **29.3838, 0.3912, 0.2325**, and if you desaturate by 10%, it is **40.8488, 0.3594, 0.2581**.

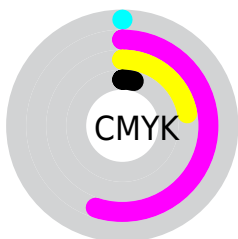
Distribution



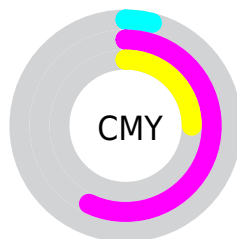
- Red (96%)
- Green (43%)
- Blue (75%)



- Red (96%)
- Yellow (43%)
- Blue (75%)



- Cyan (0%)
- Magenta (55%)
- Yellow (22%)
- Black (4%)





- Cyan (4%)
- Magenta (57%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3701, 0.3745, 0.2440 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 34.3701, 0.3745, 0.2440 by changing the saturation by 10% instead.


 34.3701, 0.3745,
0.2440


 34.3701, 0.3745,
0.2440


321.7792, 0.3437,
0.2854


 23.1781, 0.3821,
0.2341


 66.5088, 0.3634,
0.2587

 14.7250, 0.3918,
0.2216


 88.2242, 0.3592,
0.2643

 8.6266, 0.4046,
0.2056


 114.2163, 0.3556,
0.2691

 4.4985, 0.4221,
0.1841

144.8693, 0.3526,
0.2733

 1.9561, 0.4474,
0.1543

180.5677, 0.3499,
0.2769

 0.5818, 0.4897,
0.1061

221.6959, 0.3476,

 0.0000, 0.5914,

0.2800

0.0000

268.6383, 0.3456,
0.2829

■ 0.0000, 0.0000,
0.0000

■ 34.3701, 0.3745,
0.2440

■ 34.3701, 0.3745,
0.2440

■ 29.3838, 0.3912,
0.2325

■ 40.8488, 0.3594,
0.2581

■ 25.7605, 0.4090,
0.2249

■ 48.9250, 0.3460,
0.2737

■ 23.3573, 0.4273,
0.2221

■ 58.7001, 0.3345,
0.2899

■ 21.9963, 0.4452,
0.2246

■ 70.2654, 0.3246,
0.3059

■ 21.5806, 0.4538,
0.2273

■ 83.7061, 0.3164,
0.3214

97.8194, 0.3096,
0.3341

98.1550, 0.3066,
0.3290

Harmonies

Analogous

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



34.3701, 0.2758, 0.2042



34.3701, 0.3745, 0.2440



34.3701, 0.4647, 0.3009

Triad

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



34.3701, 0.3745, 0.2440



34.3701, 0.4120, 0.4933



34.3701, 0.1530, 0.2453

Complementary

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



34.3701, 0.3745, 0.2440



71.2713, 0.2804, 0.4374

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.



34.3701, 0.1773, 0.3329



34.3701, 0.3745, 0.2440



34.3701, 0.3240, 0.5078

Square

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



34.3701, 0.3745, 0.2440



34.3701, 0.4796, 0.4343



34.3701, 0.2378, 0.4427



34.3701, 0.1618, 0.1994

Rectangle

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



34.3701, 0.3745, 0.2440



34.3701, 0.4978, 0.3438



34.3701, 0.2378, 0.4427



34.3701, 0.1572, 0.2699

Sweetspot

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



34.3718, 0.3745, 0.2440



74.3445, 0.3264, 0.3029



25.3984, 0.2434, 0.1675



15.3492, 0.3283, 0.2996



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.



34.3718, 0.3745, 0.2440



31.7001, 0.3930, 0.2315



32.0645, 0.4588, 0.3131



16.6517, 0.3198, 0.3147



11.6524, 0.4510, 0.2258



1.0443, 0.4303, 0.2144

Inverse Universe

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



34.3718, 0.3745, 0.2440



31.7001, 0.3930, 0.2315



74.2996, 0.2496, 0.3481



16.6517, 0.3198, 0.3147



11.6524, 0.4510, 0.2258



1.0443, 0.4303, 0.2144

Previews

White Background



This preview shows how the Yxy color 34.3701, 0.3745, 0.2440 looks on a white background.

Color Contrast Check

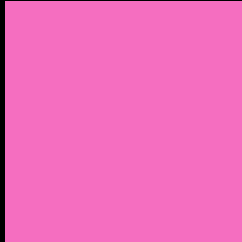
Large Text (above 18pt) WCAG AA × Fail

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 34.3701, 0.3745, 0.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

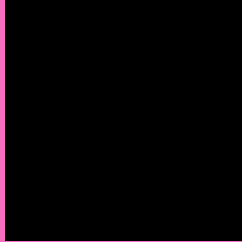
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3701, 0.3745, 0.2440

Background



This preview shows how black text looks on a background with the Yxy color 34.3701, 0.3745, 0.2440.



This preview shows how white text looks on a background with the Yxy color 34.3701, 0.3745, 0.2440.

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

34.3701, 0.3745, 0.2440

Protanopia

34.9233, 0.2442, 0.2363

Deuteranopia

34.6269, 0.2931, 0.2868



Tritanopia

34.1826, 0.4379, 0.3195

Trichromacy



Original Color

34.3701, 0.3745, 0.2440



Protanomaly

32.8413, 0.2813, 0.2343



Deuteranomaly

33.3025, 0.3198, 0.2659



Tritanomaly

33.9907, 0.4147, 0.2901

Monochromacy



Original Color

34.3701, 0.3745, 0.2440



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.4009, 0.3344, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3701, 0.3745, 0.2440 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(245, 110, 192)` looks like.

```
.text, #text, p{  
    color:rgb(245, 110, 192)  
}
```

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(245, 110, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 110, 192) }
```

Border

The CSS property to change the border of an element to Yxy 34.3701, 0.3745, 0.2440 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(245, 110, 192) }
```

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

```
.border{ border-color:rgb(245, 110, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 110, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 110, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 110, 192);  
box-shadow:4px 4px 4px 4px rgb(245, 110,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3701, 0.3745, 0.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 110, 192) }
```

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

```
.background{ background-color: rgb(245,  
110, 192) }
```

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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