

Converting Colors

Yxy(33.8001, 0.4045, 0.2669)

Have a look what the booklet for
Yxy(33.8001, 0.4045, 0.2669)
contains.

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Color

Yxy(33.8283, 0.4034, 0.2666)

Conversions

Conversions Part 1

Format	Color
Hex	F76EAA
RGB	247, 110, 170
RGB Percent	97%, 43%, 67%
CMY	0.0314, 0.5686, 0.3332
CMYK	0.00, 0.55, 0.31, 0.03
HSL	334°, 90%, 70%
HSV	334°, 55%, 97%
XYZ	51.1866, 33.8283, 41.8730
YIQ	157.8030, 62.3920, 47.7040

Conversions

Conversions Part 2

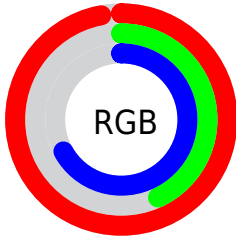
Format	Color
R _Y B	247, 110, 170
Decimal	16215722
CIE Lab	64.83, 58.41, -6.09
CIE LCh	65, 58.723, 354.051
Yxy	33.8283, 0.4034, 0.2666
Android (android.graphics.Color)	4294405802 (0xFFFF76EAA)
YUV	157.8030, 6.0131, 78.2258
Hunter-Lab	58.1621, 55.3083, -1.9715

Details

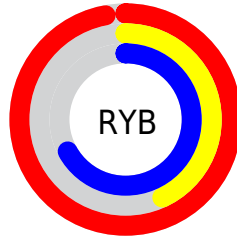
The Yxy color **33.8283, 0.4034, 0.2666** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **73.4141, 0.2693, 0.4063**, and the grayscale version is **34.0524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9687, 0.3415, 0.2692**, and **14.4190, 0.4312, 0.2484** is the 20% darker color. If you saturate the color by 10%, you get **28.7238, 0.4295, 0.2590**, and if you desaturate by 10%, it is **40.4766, 0.3802, 0.2767**.

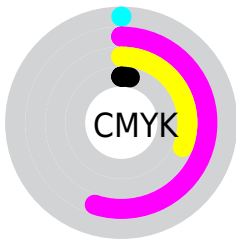
Distribution



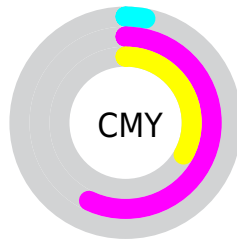
- Red (97%)
- Green (43%)
- Blue (67%)



- Red (97%)
- Yellow (43%)
- Blue (67%)



- Cyan (0%)
- Magenta (55%)
- Yellow (31%)
- Black (3%)





- Cyan (3%)
- Magenta (57%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8283, 0.4034, 0.2666 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 33.8283, 0.4034, 0.2666 by changing the saturation by 10% instead.


 33.8283, 0.4034,
0.2666


 33.8283, 0.4034,
0.2666


319.3658, 0.3564,
0.2983

 22.7617, 0.4156,
0.2586


 65.6666, 0.3860,
0.2782

 14.4177, 0.4315,
0.2483


 87.2071, 0.3795,
0.2825

 8.4117, 0.4530,
0.2346


 113.0076, 0.3741,
0.2862

 4.3595, 0.4838,
0.2154

143.4527, 0.3695,
0.2893

 1.8766, 0.5307,
0.1872

178.9267, 0.3656,
0.2920

 0.5343, 0.6160,
0.1330

219.8139, 0.3621,


 0.0000, 1.0000,


0.2943

0.0000

266.4988, 0.3591,
0.2964


 0.0000, 0.0000,
0.0000

 33.8283, 0.4034,
0.2666


 33.8283, 0.4034,
0.2666


 28.7238, 0.4295,
0.2590


 40.4766, 0.3802,
0.2767

 25.0293, 0.4578,
0.2552


 48.7773, 0.3603,
0.2882

 22.5970, 0.4867,
0.2563

 58.8352, 0.3436,
0.3001

 21.2422, 0.5143,
0.2630

 70.7450, 0.3296,
0.3119

 20.8581, 0.5263,
0.2673

 84.5944, 0.3181,
0.3231

98.4014, 0.3088,
0.3306

98.5110, 0.3078,
0.3290

Harmonies

Analogous

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



33.8283, 0.3094, 0.2218



33.8283, 0.4034, 0.2666



33.8283, 0.4743, 0.3248

Triad

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



33.8283, 0.4034, 0.2666



33.8283, 0.3798, 0.4947



33.8283, 0.1609, 0.2314

Complementary

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



33.8283, 0.4034, 0.2666



73.4141, 0.2693, 0.4063

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.



33.8283, 0.1730, 0.3005



33.8283, 0.4034, 0.2666



33.8283, 0.2948, 0.4816

Square

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



33.8283, 0.4034, 0.2666



33.8283, 0.4521, 0.4516



33.8283, 0.2192, 0.3999



33.8283, 0.1798, 0.1995

Rectangle

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



33.8283, 0.4034, 0.2666



33.8283, 0.4917, 0.3671



33.8283, 0.2192, 0.3999



33.8283, 0.1613, 0.2501

Sweetspot

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



33.8300, 0.4034, 0.2666



73.9215, 0.3316, 0.3100



28.2279, 0.2623, 0.1744



15.2494, 0.3343, 0.3077



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.



33.8300, 0.4034, 0.2666



30.1272, 0.4341, 0.2580



33.5887, 0.4759, 0.3364



16.6031, 0.3225, 0.3187



11.0603, 0.5222, 0.2650



0.9924, 0.4908, 0.2477

Inverse Universe

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



33.8300, 0.4034, 0.2666



30.1272, 0.4341, 0.2580



72.4300, 0.2409, 0.3206



16.6031, 0.3225, 0.3187



11.0603, 0.5222, 0.2650



0.9924, 0.4908, 0.2477

Previews

White Background



This preview shows how the Yxy color 33.8283, 0.4034, 0.2666 looks on a white background.

Color Contrast Check

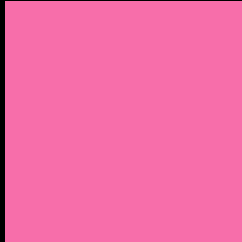
Large Text (above 18pt) WCAG AA × Fail

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 33.8283, 0.4034, 0.2666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

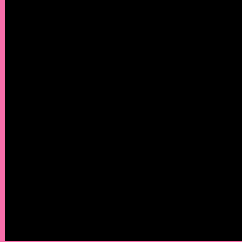
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8283, 0.4034, 0.2666

Background



This preview shows how black text looks on a background with the Yxy color 33.8283, 0.4034, 0.2666.



This preview shows how white text looks on a background with the Yxy color 33.8283, 0.4034, 0.2666.

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

33.8283, 0.4034, 0.2666

Protanopia

34.1501, 0.2685, 0.2670

Deuteranopia

33.9729, 0.3204, 0.3147



Tritanopia

33.7806, 0.4502, 0.3209

Trichromacy



Original Color

33.8283, 0.4034, 0.2666



Protanomaly

32.2066, 0.3097, 0.2629



Deuteranomaly

32.6503, 0.3490, 0.2913



Tritanomaly

33.7070, 0.4325, 0.3005

Monochromacy



Original Color

33.8283, 0.4034, 0.2666



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.6055, 0.3439, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8283, 0.4034, 0.2666 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(247, 110, 170)` looks like.

```
.text, #text, p{  
    color:rgb(247, 110, 170)  
}
```

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(247, 110, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 110, 170) }
```

Border

The CSS property to change the border of an element to Yxy 33.8283, 0.4034, 0.2666 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(247, 110, 170) }
```

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

```
.border{ border-color:rgb(247, 110, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 110, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 110, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 110, 170);  
box-shadow:4px 4px 4px 4px rgb(247, 110,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8283, 0.4034, 0.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 110, 170) }
```

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

```
.background{ background-color: rgb(247,  
110, 170) }
```

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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