

Converting Colors

$Y_{xy}(33.8266, 0.4085, 0.2576)$

Have a look what the booklet for
Yxy(33.8266, 0.4085, 0.2576)
contains.

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Color

Yxy(33.8187, 0.4088, 0.2578)

Conversions

Conversions Part 1

Format	Color
Hex	FF66AE
RGB	255, 102, 174
RGB Percent	100%, 40%, 68%
CMY	0.0000, 0.5999, 0.3177
CMYK	0.00, 0.60, 0.32, 0.00
HSL	332°, 100%, 70%
HSV	332°, 60%, 100%
XYZ	53.6272, 33.8187, 43.7361
YIQ	155.9550, 68.0760, 54.8280

Conversions

Conversions Part 2

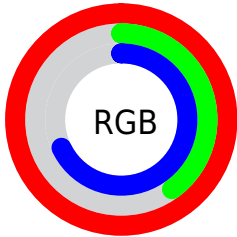
Format	Color
R _Y B	255, 102, 174
Decimal	16737966
CIE Lab	64.82, 64.81, -8.23
CIE LCh	65, 65.325, 352.767
Yxy	33.8187, 0.4088, 0.2578
Android (android.graphics.Color)	4294928046 (0xFFFF66AE)
YUV	155.9550, 8.8962, 86.8625
Hunter-Lab	58.1538, 62.8364, -3.8828

Details

The Yxy color **33.8187, 0.4088, 0.2578** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.7600, 0.2695, 0.4209**, and the grayscale version is **33.1644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7134, 0.3389, 0.2585**, and **14.3921, 0.4369, 0.2371** is the 20% darker color. If you saturate the color by 10%, you get **29.0542, 0.4341, 0.2510**, and if you desaturate by 10%, it is **40.1804, 0.3859, 0.2677**.

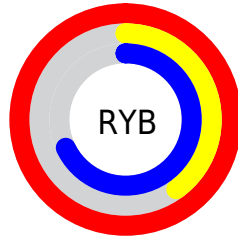
Distribution



Red (100%)

Green (40%)

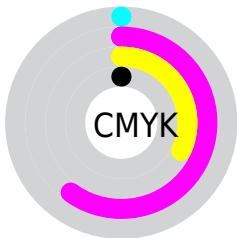
Blue (68%)



Red (100%)

Yellow (40%)

Blue (68%)

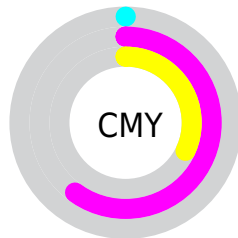


Cyan (0%)

Magenta (60%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8187, 0.4088, 0.2578 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 33.8187, 0.4088, 0.2578 by changing the saturation by 10% instead.


 33.8187, 0.4088,
0.2578


 33.8187, 0.4088,
0.2578


319.3229, 0.3593,
0.2935


 22.7544, 0.4215,
0.2489


 65.6516, 0.3905,
0.2708


 14.4122, 0.4380,
0.2375


 87.1890, 0.3838,
0.2757

 8.4079, 0.4603,
0.2225

 112.9862, 0.3781,
0.2798

 4.3571, 0.4917,
0.2019

 143.4276, 0.3732,
0.2833

 1.8752, 0.5391,
0.1722

178.8975, 0.3690,
0.2864

 0.5334, 0.6224,
0.1183

219.7805, 0.3654,

 0.0000, 1.0000,

0.2891

0.0000

266.4608, 0.3622,
0.2914

0.0000, 0.0000,
0.0000

33.8187, 0.4088,
0.2578

33.8187, 0.4088,
0.2578

29.0542, 0.4341,
0.2510

40.1804, 0.3859,
0.2677

25.7337, 0.4609,
0.2487

48.2636, 0.3658,
0.2795

23.6826, 0.4876,
0.2518

58.1860, 0.3488,
0.2921

22.6140, 0.5129,
0.2599

70.0536, 0.3344,
0.3049

22.6131, 0.5129,
0.2599

83.9640, 0.3225,
0.3173

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



33.8187, 0.3040, 0.2107



33.8187, 0.4088, 0.2578



33.8187, 0.4899, 0.3194

Triad

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



33.8187, 0.4088, 0.2578



33.8187, 0.3873, 0.5109



33.8187, 0.1478, 0.2231

Complementary

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



33.8187, 0.4088, 0.2578



77.7600, 0.2695, 0.4209

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.



33.8187, 0.1613, 0.3000



33.8187, 0.4088, 0.2578



33.8187, 0.2947, 0.5037

Square

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



33.8187, 0.4088, 0.2578



33.8187, 0.4663, 0.4574



33.8187, 0.2118, 0.4133



33.8187, 0.1667, 0.1884

Rectangle

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



33.8187, 0.4088, 0.2578



33.8187, 0.5100, 0.3644



33.8187, 0.2118, 0.4133



33.8187, 0.1485, 0.2436

Sweetspot

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



33.8205, 0.4088, 0.2578



72.6622, 0.3319, 0.3074



26.5568, 0.2523, 0.1600



14.7440, 0.3356, 0.3037



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.



33.8205, 0.4088, 0.2578



28.2782, 0.4394, 0.2502



32.2339, 0.5009, 0.3319



18.1293, 0.3220, 0.3179



11.8465, 0.5090, 0.2578



1.1753, 0.4820, 0.2429

Inverse Universe

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



33.8205, 0.4088, 0.2578



28.2782, 0.4394, 0.2502



79.9434, 0.2383, 0.3258



18.1293, 0.3220, 0.3179



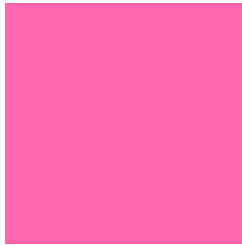
11.8465, 0.5090, 0.2578



1.1753, 0.4820, 0.2429

Previews

White Background



This preview shows how the Yxy color 33.8187, 0.4088, 0.2578 looks on a white background.

Color Contrast Check

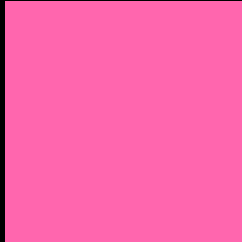
Large Text (above 18pt) WCAG AA × Fail

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 33.8187, 0.4088, 0.2578 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 33.8187, 0.4088, 0.2578

Background



This preview shows how black text looks on a background with the Yxy color 33.8187, 0.4088, 0.2578.



This preview shows how white text looks on a background with the Yxy color 33.8187, 0.4088, 0.2578.

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

33.8187, 0.4088, 0.2578

Protanopia

34.2697, 0.2584, 0.2541

Deuteranopia

33.9707, 0.3166, 0.3105



Tritanopia

33.9243, 0.4681, 0.3224

Trichromacy



Original Color

33.8187, 0.4088, 0.2578



Protanomaly

31.8299, 0.3033, 0.2498



Deuteranomaly

32.1941, 0.3485, 0.2840



Tritanomaly

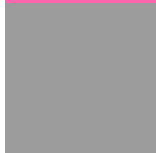
33.7408, 0.4471, 0.2990

Monochromacy



Original Color

33.8187, 0.4088, 0.2578



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 33.8187, 0.4088, 0.2578 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 174) }
```

Border

The CSS property to change the border of an element to Yxy 33.8187, 0.4088, 0.2578 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, 174) }
```

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

```
.border{ border-color:rgb(255, 102, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8187, 0.4088, 0.2578 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, 174) }
```

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

```
.background{ background-color: rgb(255,  
102, 174) }
```

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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