

Converting Colors

$Y_{xy}(33.8158, 0.3482, 0.2178)$

Have a look what the booklet for
Yxy(33.8158, 0.3482, 0.2178)
contains.

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Color

Yxy(33.8104, 0.3484, 0.2179)

Conversions

Conversions Part 1

Format	Color
Hex	F368D6
RGB	243, 104, 214
RGB Percent	95%, 41%, 84%
CMY	0.0469, 0.5923, 0.1608
CMYK	0.00, 0.57, 0.12, 0.05
HSL	313°, 85%, 68%
HSV	313°, 57%, 95%
XYZ	54.0594, 33.8104, 67.2950
YIQ	158.1010, 47.5340, 63.6780

Conversions

Conversions Part 2

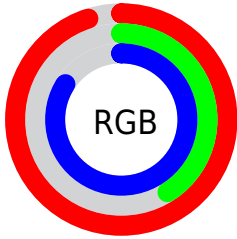
Format	Color
R _Y B	243, 104, 214
Decimal	15952086
CIE Lab	64.81, 65.94, -31.03
CIE LCh	65, 72.877, 334.799
Yxy	33.8104, 0.3484, 0.2179
Android (android.graphics.Color)	4294142166 (0xFFFF368D6)
YUV	158.1010, 27.5582, 74.4564
Hunter-Lab	58.1467, 64.1959, -27.9154

Details

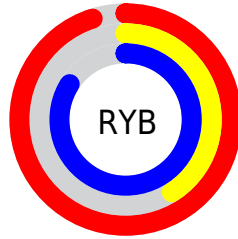
The Yxy color **33.8104, 0.3484, 0.2179** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **68.7590, 0.2917, 0.4774**, and the grayscale version is **34.0945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **14.4213, 0.3563, 0.1911** is the 20% darker color. If you saturate the color by 10%, you get **29.3504, 0.3566, 0.2040**, and if you desaturate by 10%, it is **39.6910, 0.3406, 0.2350**.

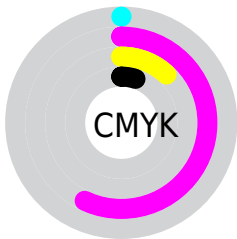
Distribution



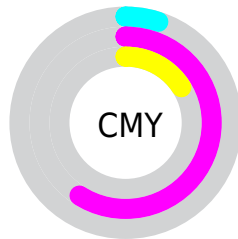
- Red (95%)
- Green (41%)
- Blue (84%)



- Red (95%)
- Yellow (41%)
- Blue (84%)



- Cyan (0%)
- Magenta (57%)
- Yellow (12%)
- Black (5%)





- Cyan (5%)
- Magenta (59%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8104, 0.3484, 0.2179 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 33.8104, 0.3484, 0.2179 by changing the saturation by 10% instead.


 33.8104, 0.3484,
0.2179


 33.8104, 0.3484,
0.2179


319.2858, 0.3323,
0.2703

 22.7480, 0.3519,
0.2059


 65.6387, 0.3429,
0.2362

 14.4075, 0.3561,
0.1911


 87.1734, 0.3408,
0.2432

 8.4047, 0.3611,
0.1725


 112.9676, 0.3389,
0.2493

 4.3549, 0.3671,
0.1486

 143.4058, 0.3372,
0.2546

 1.8740, 0.3742,
0.1175

178.8723, 0.3358,
0.2593

 0.5327, 0.3834,
0.0712

219.7516, 0.3345,

 0.0000, 0.3939,

0.2634

0.0000

266.4279, 0.3333,
0.2670

■ 0.0000, 0.0331,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.8104, 0.3484,
0.2179

■ 33.8104, 0.3484,
0.2179

■ 29.3504, 0.3566,
0.2040

■ 39.6910, 0.3406,
0.2350

■ 26.1813, 0.3650,
0.1941


■ 47.0973, 0.3333,
0.2541

■ 24.1578, 0.3732,
0.1888

■ 56.1304, 0.3268,
0.2744


■ 23.0897, 0.3810,
0.1882

■ 66.8810, 0.3210,
0.2949

 22.8800, 0.3832,
0.1885

 79.4333, 0.3159,
0.3150

 93.8657, 0.3116,
0.3343

 97.4536, 0.3085,
0.3343

 97.7755, 0.3056,
0.3294

 97.8014, 0.3054,
0.3290

Harmonies

Analogous

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



33.8104, 0.2418, 0.1814



33.8104, 0.3484, 0.2179



33.8104, 0.4622, 0.2755

Triad

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



33.8104, 0.3484, 0.2179



33.8104, 0.4460, 0.4948



33.8104, 0.1376, 0.2549

Complementary

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



33.8104, 0.3484, 0.2179



68.7590, 0.2917, 0.4774

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.



33.8104, 0.1740, 0.3691



33.8104, 0.3484, 0.2179



33.8104, 0.3506, 0.5402

Square

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



33.8104, 0.3484, 0.2179



33.8104, 0.5144, 0.4190



33.8104, 0.2510, 0.4956



33.8104, 0.1381, 0.1923

Rectangle

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



33.8104, 0.3484, 0.2179



33.8104, 0.5134, 0.3206



33.8104, 0.2510, 0.4956



33.8104, 0.1452, 0.2874

Sweetspot

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



33.8120, 0.3484, 0.2179



74.8228, 0.3209, 0.2952



21.2574, 0.2200, 0.1527



15.4628, 0.3220, 0.2911



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.



33.8120, 0.3484, 0.2179



31.9348, 0.3583, 0.2017



31.0228, 0.4332, 0.2854



16.7055, 0.3170, 0.3105



12.5733, 0.3820, 0.1878



1.1196, 0.3728, 0.1828

Inverse Universe

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



33.8120, 0.3484, 0.2179



31.9348, 0.3583, 0.2017



71.2972, 0.2595, 0.3827



16.7055, 0.3170, 0.3105



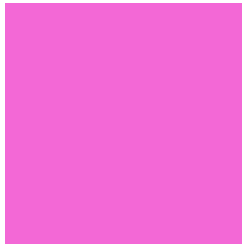
12.5733, 0.3820, 0.1878



1.1196, 0.3728, 0.1828

Previews

White Background



This preview shows how the Yxy color 33.8104, 0.3484, 0.2179 looks on a white background.

Color Contrast Check

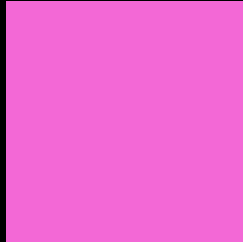
Large Text (above 18pt) WCAG AA × Fail

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 33.8104, 0.3484, 0.2179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

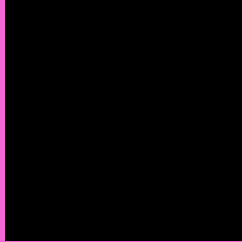
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8104, 0.3484, 0.2179

Background



This preview shows how black text looks on a background with the Yxy color 33.8104, 0.3484, 0.2179.



This preview shows how white text looks on a background with the Yxy color 33.8104, 0.3484, 0.2179.

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

33.8104, 0.3484, 0.2179

Protanopia

34.1828, 0.2174, 0.2005

Deuteranopia

34.1020, 0.2641, 0.2581



Tritanopia

33.7709, 0.4321, 0.3193

Trichromacy



Original Color

33.8104, 0.3484, 0.2179



Protanomaly

31.6861, 0.2512, 0.2008



Deuteranomaly

32.1569, 0.2908, 0.2361



Tritanomaly

33.5084, 0.4020, 0.2798

Monochromacy



Original Color

33.8104, 0.3484, 0.2179



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.2101, 0.3267, 0.2761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8104, 0.3484, 0.2179 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(243, 104, 214)` looks like.

```
.text, #text, p{  
    color:rgb(243, 104, 214)  
}
```

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(243, 104, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 104, 214) }
```

Border

The CSS property to change the border of an element to Yxy 33.8104, 0.3484, 0.2179 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(243, 104, 214) }
```

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

```
.border{ border-color:rgb(243, 104, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 104, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 104, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 104, 214);  
box-shadow:4px 4px 4px 4px rgb(243, 104,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8104, 0.3484, 0.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 104, 214) }
```

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

```
.background{ background-color: rgb(243,  
104, 214) }
```

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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