

Converting Colors

$Y_{xy}(34.0472, 0.4157, 0.2637)$

Have a look what the booklet for
Yxy(34.0472, 0.4157, 0.2637)
contains.

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Color

Yxy(33.8251, 0.4149, 0.2636)

Conversions

Conversions Part 1

Format	Color
Hex	FF67A9
RGB	255, 103, 169
RGB Percent	100%, 40%, 66%
CMY	0.0002, 0.5959, 0.3373
CMYK	0.00, 0.60, 0.34, 0.00
HSL	334°, 100%, 70%
HSV	334°, 60%, 100%
XYZ	53.2399, 33.8251, 41.2548
YIQ	155.9720, 69.4060, 52.7500

Conversions

Conversions Part 2

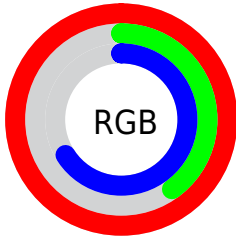
Format	Color
R _Y B	255, 103, 169
Decimal	16738217
CIE Lab	64.82, 63.79, -5.37
CIE LCh	65, 64.012, 355.187
Yxy	33.8251, 0.4149, 0.2636
Android (android.graphics.Color)	4294928297 (0xFFFF67A9)
YUV	155.9720, 6.4228, 86.8476
Hunter-Lab	58.1594, 61.6225, -1.3453

Details

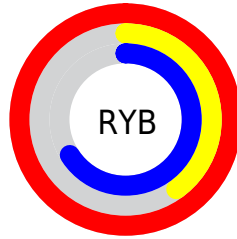
The Yxy color **33.8251, 0.4149, 0.2636** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.0553, 0.2672, 0.4127**, and the grayscale version is **33.1870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7834, 0.3432, 0.2642**, and **14.4096, 0.4461, 0.2446** is the 20% darker color. If you saturate the color by 10%, you get **28.9897, 0.4423, 0.2575**, and if you desaturate by 10%, it is **40.2697, 0.3902, 0.2728**.

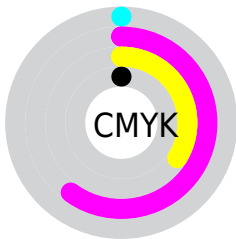
Distribution



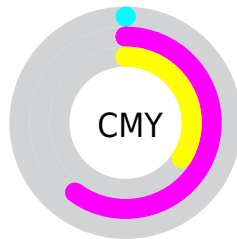
- Red (100%)
- Green (40%)
- Blue (66%)



- Red (100%)
- Yellow (40%)
- Blue (66%)



- Cyan (0%)
- Magenta (60%)
- Yellow (34%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8251, 0.4149, 0.2636 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 33.8251, 0.4149, 0.2636 by changing the saturation by 10% instead.


 33.8251, 0.4149,
0.2636

 33.8251, 0.4149,
0.2636


319.3515, 0.3620,
0.2968

 22.7593, 0.4286,
0.2552


 65.6616, 0.3953,
0.2758


 14.4159, 0.4465,
0.2444


 87.2010, 0.3880,
0.2803

 8.4105, 0.4706,
0.2300


 113.0005, 0.3819,
0.2841

 4.3587, 0.5049,
0.2100

 143.4443, 0.3768,
0.2874

 1.8762, 0.5568,
0.1807

178.9170, 0.3723,
0.2902

 0.5340, 0.6486,
0.1258

219.8028, 0.3684,

 0.0000, 1.0000,

0.2927

0.0000

266.4861, 0.3650,
0.2949

0.0000, 0.0000,
0.0000

33.8251, 0.4149,
0.2636

33.8251, 0.4149,
0.2636

28.9897, 0.4423,
0.2575

40.2697, 0.3902,
0.2728

25.6108, 0.4714,
0.2558

48.4473, 0.3687,
0.2837

23.5150, 0.5003,
0.2594

58.4757, 0.3505,
0.2954

22.4292, 0.5273,
0.2681

70.4605, 0.3352,
0.3072

22.3928, 0.5284,
0.2685

84.4996, 0.3227,
0.3186

99.9923, 0.3127,
0.3290

Harmonies

Analogous

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



33.8251, 0.3123, 0.2156



33.8251, 0.4149, 0.2636



33.8251, 0.4904, 0.3252

Triad

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



33.8251, 0.4149, 0.2636



33.8251, 0.3795, 0.5098



33.8251, 0.1506, 0.2210

Complementary

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



33.8251, 0.4149, 0.2636



78.0553, 0.2672, 0.4127

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.



33.8251, 0.1615, 0.2932



33.8251, 0.4149, 0.2636



33.8251, 0.2882, 0.4953

Square

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



33.8251, 0.4149, 0.2636



33.8251, 0.4588, 0.4611



33.8251, 0.2084, 0.4023



33.8251, 0.1718, 0.1894

Rectangle

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



33.8251, 0.4149, 0.2636



33.8251, 0.5067, 0.3699



33.8251, 0.2084, 0.4023



33.8251, 0.1505, 0.2401

Sweetspot

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



33.8269, 0.4149, 0.2636



72.5685, 0.3331, 0.3090



27.4421, 0.2572, 0.1630



14.7212, 0.3371, 0.3057



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.



33.8269, 0.4149, 0.2636



28.4357, 0.4464, 0.2570



33.5241, 0.4954, 0.3367



18.1180, 0.3226, 0.3187



11.7337, 0.5243, 0.2662



1.1639, 0.4955, 0.2503

Inverse Universe

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



33.8269, 0.4149, 0.2636



28.4357, 0.4464, 0.2570



76.8480, 0.2373, 0.3198



18.1180, 0.3226, 0.3187



11.7337, 0.5243, 0.2662



1.1639, 0.4955, 0.2503

Previews

White Background



This preview shows how the Yxy color 33.8251, 0.4149, 0.2636 looks on a white background.

Color Contrast Check

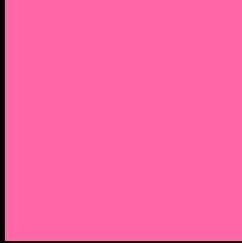
Large Text (above 18pt) WCAG AA × Fail

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 33.8251, 0.4149, 0.2636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

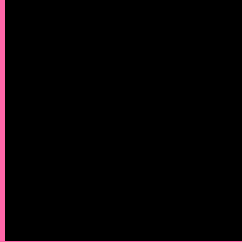
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8251, 0.4149, 0.2636

Background



This preview shows how black text looks on a background with the Yxy color 33.8251, 0.4149, 0.2636.



This preview shows how white text looks on a background with the Yxy color 33.8251, 0.4149, 0.2636.

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

33.8251, 0.4149, 0.2636

Protanopia

34.1085, 0.2647, 0.2629

Deuteranopia

34.0136, 0.3233, 0.3176



Tritanopia

33.7000, 0.4687, 0.3214

Trichromacy



Original Color

33.8251, 0.4149, 0.2636



Protanomaly

31.9672, 0.3099, 0.2583



Deuteranomaly

32.5648, 0.3559, 0.2918



Tritanomaly

33.4677, 0.4501, 0.3001

Monochromacy



Original Color

33.8251, 0.4149, 0.2636



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.6710, 0.3480, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8251, 0.4149, 0.2636 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, 103, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 169)  
}
```

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, 103, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 169) }
```

Border

The CSS property to change the border of an element to Yxy 33.8251, 0.4149, 0.2636 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, 103, 169) }
```

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

```
.border{ border-color:rgb(255, 103, 169) }
```

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

Here you see how a box with a 4 pixel rgb(255, 103, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8251, 0.4149, 0.2636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 169) }
```

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

```
.background{ background-color: rgb(255,  
103, 169) }
```

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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