

Converting Colors

$Y_{xy}(32.8017, 0.4137, 0.2587)$

Have a look what the booklet for
Yxy(32.8017, 0.4137, 0.2587)
contains.

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Color

Yxy(32.8968, 0.4138, 0.2588)

Conversions

Conversions Part 1

Format	Color
Hex	FE63AA
RGB	254, 99, 170
RGB Percent	100%, 39%, 67%
CMY	0.0038, 0.6118, 0.3333
CMYK	0.00, 0.61, 0.33, 0.00
HSL	333°, 99%, 69%
HSV	333°, 61%, 100%
XYZ	52.5993, 32.8968, 41.6167
YIQ	153.4390, 69.5890, 54.9410

Conversions

Conversions Part 2

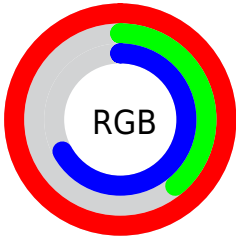
Format	Color
R_{YB}	254, 99, 170
Decimal	16671658
CIE Lab	64.08, 65.34, -7.08
CIE LCh	64, 65.726, 353.816
Yxy	32.8968, 0.4138, 0.2588
Android (android.graphics.Color)	4294861738 (0xFFFE63AA)
YUV	153.4390, 8.1646, 88.1920
Hunter-Lab	57.3557, 63.3247, -2.8712

Details

The Yxy color **32.8968, 0.4138, 0.2588** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **76.9705, 0.2683, 0.4202**, and the grayscale version is **31.9956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4732, 0.3428, 0.2593**, and **13.8475, 0.4447, 0.2381** is the 20% darker color. If you saturate the color by 10%, you get **28.3260, 0.4401, 0.2527**, and if you desaturate by 10%, it is **39.0385, 0.3899, 0.2682**.

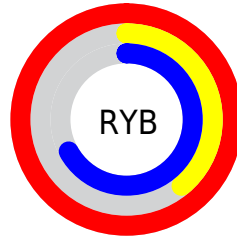
Distribution



Red (100%)

Green (39%)

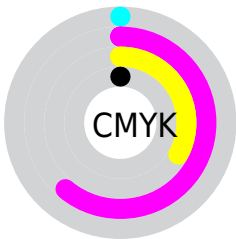
Blue (67%)



Red (100%)

Yellow (39%)

Blue (67%)

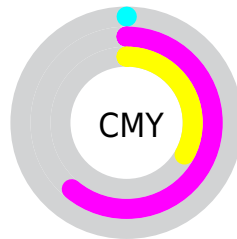


Cyan (0%)

Magenta (61%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8968, 0.4138, 0.2588 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 32.8968, 0.4138, 0.2588 by changing the saturation by 10% instead.


 32.8968, 0.4138,
0.2588


 32.8968, 0.4138,
0.2588


315.1845, 0.3614,
0.2943


 22.0474, 0.4274,
0.2499


 64.2144, 0.3944,
0.2718


 13.8917, 0.4451,
0.2384


 85.4513, 0.3872,
0.2766

 8.0454, 0.4690,
0.2232


 110.9196, 0.3812,
0.2807

 4.1240, 0.5030,
0.2021

 141.0036, 0.3760,
0.2842

 1.7432, 0.5545,
0.1715

176.0877, 0.3716,
0.2873

 0.4514, 0.6495,
0.1100

216.5562, 0.3678,

 0.0000, 1.0000,

0.2899

0.0000

262.7937, 0.3644,
0.2923

0.0000, 0.0000,
0.0000

32.8968, 0.4138,
0.2588

32.8968, 0.4138,
0.2588

28.3260, 0.4401,
0.2527

39.0385, 0.3899,
0.2682

25.1718, 0.4677,
0.2512

46.8760, 0.3691,
0.2795

23.2574, 0.4950,
0.2551

56.5272, 0.3512,
0.2918

22.3460, 0.5181,
0.2628

68.0982, 0.3363,
0.3042

81.6866, 0.3239,
0.3164

97.3835, 0.3137,
0.3279

99.8159, 0.3121,
0.3290

Harmonies

Analogous

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



32.8968, 0.3074, 0.2106



32.8968, 0.4138, 0.2588



32.8968, 0.4944, 0.3213

Triad

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



32.8968, 0.4138, 0.2588



32.8968, 0.3847, 0.5145



32.8968, 0.1460, 0.2197

Complementary

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



32.8968, 0.4138, 0.2588



76.9705, 0.2683, 0.4202

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.



32.8968, 0.1583, 0.2958



32.8968, 0.4138, 0.2588



32.8968, 0.2909, 0.5049

Square

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



32.8968, 0.4138, 0.2588



32.8968, 0.4657, 0.4610



32.8968, 0.2079, 0.4105



32.8968, 0.1662, 0.1860

Rectangle

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



32.8968, 0.4138, 0.2588



32.8968, 0.5129, 0.3668



32.8968, 0.2079, 0.4105



32.8968, 0.1463, 0.2398

Sweetspot

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



32.8985, 0.4138, 0.2588



72.6305, 0.3323, 0.3080



25.9821, 0.2532, 0.1583



14.7363, 0.3361, 0.3044



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.



32.8985, 0.4138, 0.2588



27.8356, 0.4455, 0.2520



31.9066, 0.5040, 0.3344



18.1255, 0.3222, 0.3182



11.8072, 0.5142, 0.2606



1.1714, 0.4865, 0.2454

Inverse Universe

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



32.8985, 0.4138, 0.2588



27.8356, 0.4455, 0.2520



77.4730, 0.2369, 0.3227



18.1255, 0.3222, 0.3182



11.8072, 0.5142, 0.2606



1.1714, 0.4865, 0.2454

Previews

White Background



This preview shows how the Yxy color 32.8968, 0.4138, 0.2588 looks on a white background.

Color Contrast Check

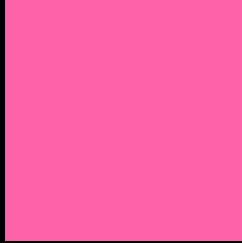
Large Text (above 18pt) WCAG AA × Fail

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 32.8968, 0.4138, 0.2588 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 32.8968, 0.4138, 0.2588

Background



This preview shows how black text looks on a background with the Yxy color 32.8968, 0.4138, 0.2588.



This preview shows how white text looks on a background with the Yxy color 32.8968, 0.4138, 0.2588.

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

32.8968, 0.4138, 0.2588

Protanopia

33.2302, 0.2592, 0.2557

Deuteranopia

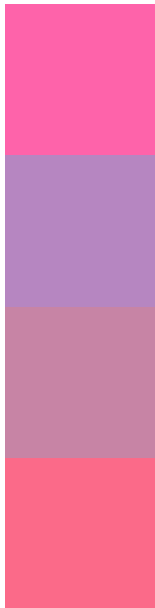
33.0667, 0.3195, 0.3132



Tritanopia

32.7839, 0.4733, 0.3215

Trichromacy



Original Color

32.8968, 0.4138, 0.2588

Protanomaly

30.8455, 0.3051, 0.2513

Deuteranomaly

31.3613, 0.3522, 0.2862

Tritanomaly

32.6234, 0.4519, 0.2981

Monochromacy



Original Color

32.8968, 0.4138, 0.2588

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.2254, 0.3489, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8968, 0.4138, 0.2588 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(254, 99, 170)` looks like.

```
.text, #text, p{  
    color:rgb(254, 99, 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(254, 99, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 99, 170) }
```

Border

The CSS property to change the border of an element to Yxy 32.8968, 0.4138, 0.2588 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(254, 99, 170) }
```

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

```
.border{ border-color:rgb(254, 99, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 99, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 99, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 99, 170);  
box-shadow:4px 4px 4px 4px rgb(254, 99,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8968, 0.4138, 0.2588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 99, 170) }
```

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

```
.background{ background-color: rgb(254, 99,  
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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