

Converting Colors

$Y_{xy}(43.7396, 0.3799, 0.2384)$

Have a look what the booklet for
Yxy(43.7396, 0.3799, 0.2384)
contains.

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Color

Yxy(38.7087, 0.3567, 0.2306)

Conversions

Conversions Part 1

Format	Color
Hex	FF74D8
RGB	255, 116, 216
RGB Percent	100%, 45%, 85%
CMY	0.0000, 0.5450, 0.1530
CMYK	0.00, 0.55, 0.15, 0.00
HSL	317°, 100%, 73%
HSV	317°, 55%, 100%
XYZ	59.8759, 38.7087, 69.2762
YIQ	168.9610, 50.7440, 60.5680

Conversions

Conversions Part 2

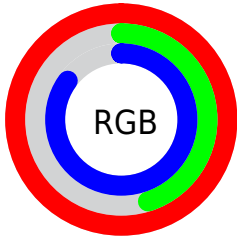
Format	Color
R _{YB}	255, 116, 216
Decimal	16741592
CIE _{Lab}	68.54, 64.23, -26.26
CIE _{LCh}	69, 69.387, 337.763
Yxy	38.7087, 0.3567, 0.2306
Android (android.graphics.Color)	4294931672 (0xFFFF74D8)
YUV	168.9610, 23.1902, 75.4562
Hunter-Lab	62.2163, 62.9069, -22.4664

Details

The Yxy color **38.7087, 0.3567, 0.2306** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.5942, 0.2877, 0.4567**, and the grayscale version is **39.5233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **17.2014, 0.3665, 0.2070** is the 20% darker color. If you saturate the color by 10%, you get **33.2537, 0.3680, 0.2169**, and if you desaturate by 10%, it is **45.7965, 0.3463, 0.2471**.

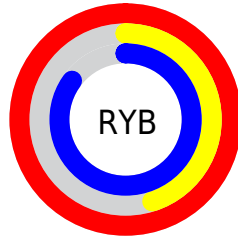
Distribution



Red (100%)

Green (45%)

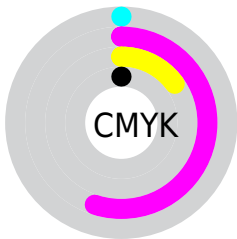
Blue (85%)



Red (100%)

Yellow (45%)

Blue (85%)

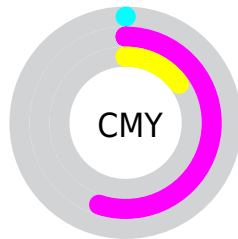


Cyan (0%)

Magenta (55%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7087, 0.3567, 0.2306 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 38.7087, 0.3567, 0.2306 by changing the saturation by 10% instead.


 38.7087, 0.3567,
0.2306


 38.7087, 0.3567,
0.2306


340.6504, 0.3362,
0.2766


 26.5332, 0.3614,
0.2201

 73.1931, 0.3496,
0.2466

 17.2229, 0.3671,
0.2071


 96.2708, 0.3468,
0.2528

 10.3936, 0.3743,
0.1908


 123.7513, 0.3444,
0.2582

 5.6607, 0.3835,
0.1698

156.0191, 0.3424,
0.2628

 2.6399, 0.3957,
0.1419

193.4585, 0.3405,
0.2669

 0.9468, 0.4119,
0.1044

236.4539, 0.3389,

 0.0000, 0.4578,

0.2705

0.0000

285.3897, 0.3375,
0.2738

■ 0.0000, 0.4434,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7087, 0.3567,
0.2306

■ 38.7087, 0.3567,
0.2306

■ 33.2537, 0.3680,
0.2169

■ 45.7965, 0.3463,
0.2471

■ 29.2902, 0.3798,
0.2069

■ 54.6317, 0.3368,
0.2652

■ 26.6622, 0.3916,
0.2017

■ 65.3253, 0.3285,
0.2841

■ 25.1764, 0.4032,
0.2014

■ 77.9773, 0.3213,
0.3028

■ 24.6950, 0.4094,
0.2029

■ 92.6805, 0.3152,
0.3211

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



38.7087, 0.2563, 0.1937



38.7087, 0.3567, 0.2306



38.7087, 0.4576, 0.2867

Triad

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



38.7087, 0.3567, 0.2306



38.7087, 0.4310, 0.4903



38.7087, 0.1483, 0.2546

Complementary

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



38.7087, 0.3567, 0.2306



77.5942, 0.2877, 0.4567

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.



38.7087, 0.1800, 0.3546



38.7087, 0.3567, 0.2306



38.7087, 0.3414, 0.5210

Square

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



38.7087, 0.3567, 0.2306



38.7087, 0.4959, 0.4234



38.7087, 0.2493, 0.4692



38.7087, 0.1514, 0.1994

Rectangle

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



38.7087, 0.3567, 0.2306



38.7087, 0.5005, 0.3301



38.7087, 0.2493, 0.4692



38.7087, 0.1547, 0.2831

Sweetspot

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



38.7106, 0.3567, 0.2306



75.9589, 0.3223, 0.3001



26.4944, 0.2316, 0.1639



15.6790, 0.3238, 0.2962



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.



38.7106, 0.3567, 0.2306



33.0246, 0.3686, 0.2163



35.9053, 0.4365, 0.2965



18.2083, 0.3181, 0.3121



12.9318, 0.4076, 0.2019



1.2778, 0.3954, 0.1952

Inverse Universe

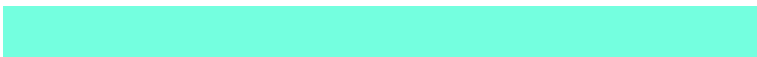
The Inverse Universe completely reimagines the original color for something new.



38.7106, 0.3567, 0.2306



33.0246, 0.3686, 0.2163



80.5312, 0.2569, 0.3680



18.2083, 0.3181, 0.3121



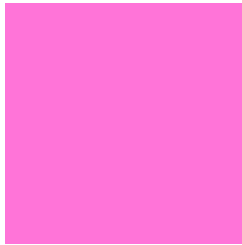
12.9318, 0.4076, 0.2019



1.2778, 0.3954, 0.1952

Previews

White Background



This preview shows how the Yxy color 38.7087, 0.3567, 0.2306 looks on a white background.

Color Contrast Check

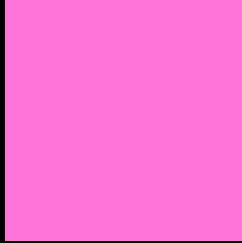
Large Text (above 18pt) WCAG AA × Fail

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 38.7087, 0.3567, 0.2306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

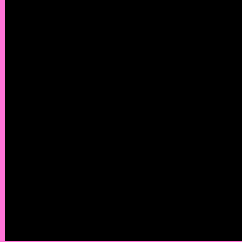
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7087, 0.3567, 0.2306

Background



This preview shows how black text looks on a background with the Yxy color 38.7087, 0.3567, 0.2306.

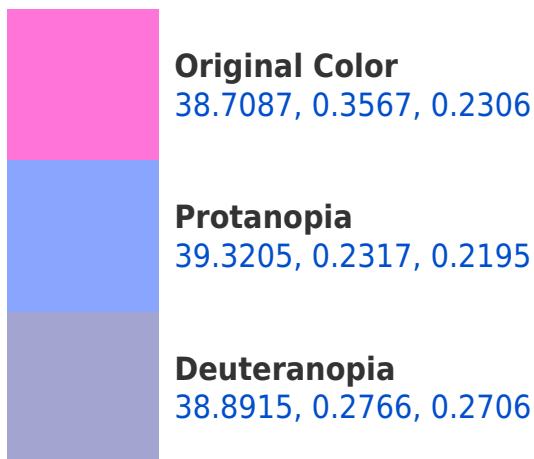


This preview shows how white text looks on a background with the Yxy color 38.7087, 0.3567, 0.2306.

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





Tritanopia

38.5324, 0.4275, 0.3186

Trichromacy



Original Color

38.7087, 0.3567, 0.2306



Protanomaly

36.8620, 0.2661, 0.2181



Deuteranomaly

37.3063, 0.3023, 0.2508



Tritanomaly

38.4050, 0.4012, 0.2839

Monochromacy



Original Color

38.7087, 0.3567, 0.2306



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.6372, 0.3286, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7087, 0.3567, 0.2306 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, 116, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 216)  
}
```

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, 116, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 216) }
```

Border

The CSS property to change the border of an element to Yxy 38.7087, 0.3567, 0.2306 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, 116, 216) }
```

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

```
.border{ border-color:rgb(255, 116, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7087, 0.3567, 0.2306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 216) }
```

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

```
.background{ background-color: rgb(255,  
116, 216) }
```

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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