

Converting Colors

$Y_{xy}(43.7768, 0.3792, 0.2379)$

Have a look what the booklet for
Yxy(43.7768, 0.3792, 0.2379)
contains.

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Color

Yxy(38.7605, 0.3556, 0.2297)

Conversions

Conversions Part 1

Format	Color
Hex	FF74D9
RGB	255, 116, 217
RGB Percent	100%, 45%, 85%
CMY	0.0001, 0.5450, 0.1489
CMYK	0.00, 0.54, 0.15, 0.00
HSL	316°, 100%, 73%
HSV	316°, 54%, 100%
XYZ	60.0054, 38.7605, 69.9781
YIQ	169.0750, 50.4230, 60.8790

Conversions

Conversions Part 2

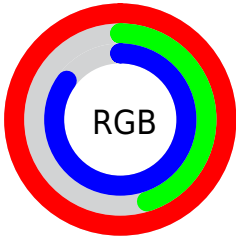
Format	Color
R _Y B	255, 116, 217
Decimal	16741593
CIE Lab	68.58, 64.37, -26.77
CIE LCh	69, 69.718, 337.417
Yxy	38.7605, 0.3556, 0.2297
Android (android.graphics.Color)	4294931673 (0xFFFF74D9)
YUV	169.0750, 23.6270, 75.3562
Hunter-Lab	62.2579, 63.0903, -23.0616

Details

The Yxy color **38.7605, 0.3556, 0.2297** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.5523, 0.2882, 0.4581**, and the grayscale version is **39.5811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **17.2368, 0.3650, 0.2060** is the 20% darker color. If you saturate the color by 10%, you get **33.3127, 0.3665, 0.2158**, and if you desaturate by 10%, it is **45.8401, 0.3454, 0.2463**.

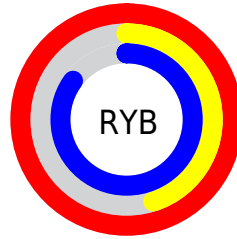
Distribution



Red (100%)

Green (45%)

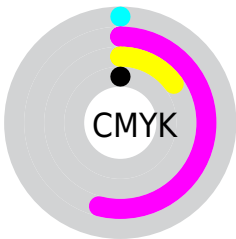
Blue (85%)



Red (100%)

Yellow (45%)

Blue (85%)

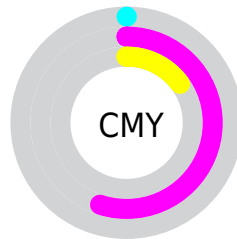


Cyan (0%)

Magenta (54%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7605, 0.3556, 0.2297 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 38.7605, 0.3556, 0.2297 by changing the saturation by 10% instead.


 38.7605, 0.3556,
0.2297


 38.7605, 0.3556,
0.2297


340.8712, 0.3357,
0.2761

 26.5735, 0.3601,
0.2191


 73.2723, 0.3487,
0.2458

 17.2531, 0.3656,
0.2061

 96.3659, 0.3460,
0.2521

 10.4151, 0.3725,
0.1897


 123.8637, 0.3437,
0.2575

 5.6751, 0.3813,
0.1686

156.1502, 0.3417,
0.2622

 2.6485, 0.3928,
0.1408

193.6099, 0.3399,
0.2663

 0.9511, 0.4080,
0.1033

236.6270, 0.3384,

 0.0000, 0.4512,

0.2699

0.0000

285.5859, 0.3370,
0.2732

■ 0.0000, 0.4275,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.7605, 0.3556,
0.2297

■ 38.7605, 0.3556,
0.2297

■ 33.3127, 0.3665,
0.2158

■ 45.8401, 0.3454,
0.2463

■ 29.3555, 0.3779,
0.2058

■ 54.6662, 0.3363,
0.2646

■ 26.7330, 0.3894,
0.2004

■ 65.3497, 0.3282,
0.2836

■ 25.2517, 0.4006,
0.2000

■ 77.9904, 0.3211,
0.3026

■ 24.7723, 0.4066,
0.2014

■ 92.6814, 0.3151,
0.3210

99.9957, 0.3127,
0.3290

Harmonies

Analogous

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



38.7605, 0.2551, 0.1930



38.7605, 0.3556, 0.2297



38.7605, 0.4573, 0.2857

Triad

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



38.7605, 0.3556, 0.2297



38.7605, 0.4322, 0.4902



38.7605, 0.1479, 0.2551

Complementary

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



38.7605, 0.3556, 0.2297



77.5523, 0.2882, 0.4581

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.



38.7605, 0.1801, 0.3560



38.7605, 0.3556, 0.2297



38.7605, 0.3425, 0.5219

Square

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



38.7605, 0.3556, 0.2297



38.7605, 0.4970, 0.4228



38.7605, 0.2499, 0.4710



38.7605, 0.1507, 0.1993

Rectangle

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



38.7605, 0.3556, 0.2297



38.7605, 0.5008, 0.3292



38.7605, 0.2499, 0.4710



38.7605, 0.1544, 0.2839

Sweetspot

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



38.7624, 0.3556, 0.2297



75.9773, 0.3221, 0.2998



26.4942, 0.2316, 0.1639



15.6834, 0.3235, 0.2959



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.



38.7624, 0.3556, 0.2297



33.0858, 0.3671, 0.2152



35.9038, 0.4365, 0.2965



18.2107, 0.3180, 0.3119



12.9731, 0.4049, 0.2004



1.2815, 0.3931, 0.1939

Inverse Universe

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



38.7624, 0.3556, 0.2297



33.0858, 0.3671, 0.2152



80.5237, 0.2569, 0.3680



18.2107, 0.3180, 0.3119



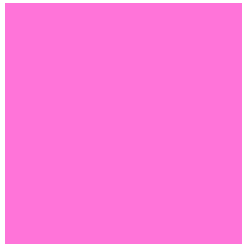
12.9731, 0.4049, 0.2004



1.2815, 0.3931, 0.1939

Previews

White Background



This preview shows how the Yxy color 38.7605, 0.3556, 0.2297 looks on a white background.

Color Contrast Check

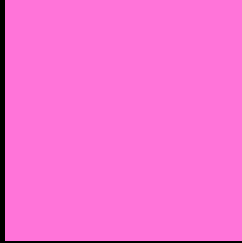
Large Text (above 18pt) WCAG AA × Fail

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 38.7605, 0.3556, 0.2297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

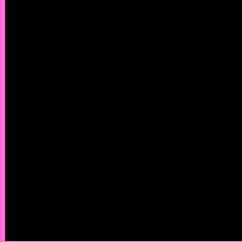
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7605, 0.3556, 0.2297

Background



This preview shows how black text looks on a background with the Yxy color 38.7605, 0.3556, 0.2297.



This preview shows how white text looks on a background with the Yxy color 38.7605, 0.3556, 0.2297.

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

38.7605, 0.3556, 0.2297

Protanopia

39.3645, 0.2301, 0.2174

Deuteranopia

38.9409, 0.2759, 0.2694



Tritanopia

38.5324, 0.4275, 0.3186

Trichromacy



Original Color

38.7605, 0.3556, 0.2297



Protanomaly

36.8020, 0.2647, 0.2169



Deuteranomaly

37.3567, 0.3014, 0.2498



Tritanomaly

38.4050, 0.4012, 0.2839

Monochromacy



Original Color

38.7605, 0.3556, 0.2297



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 38.7605, 0.3556, 0.2297 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 217) }
```

Border

The CSS property to change the border of an element to Yxy 38.7605, 0.3556, 0.2297 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, 217) }
```

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

```
.border{ border-color:rgb(255, 116, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7605, 0.3556, 0.2297 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, 217) }
```

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

```
.background{ background-color: rgb(255,  
116, 217) }
```

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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