

Converting Colors

$Y_{xy}(38.7419, 0.3516, 0.2254)$

Have a look what the booklet for
Yxy(38.7419, 0.3516, 0.2254)
contains.

Yxy(38.7419, 0.3516, 0.2254)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.7419, 0.3516, 0.2254)

Conversions

Conversions Part 1

Format	Color
Hex	FF73DD
RGB	255, 115, 221
RGB Percent	100%, 45%, 87%
CMY	0.0000, 0.5491, 0.1333
CMYK	0.00, 0.55, 0.13, 0.00
HSL	315°, 100%, 73%
HSV	315°, 55%, 100%
XYZ	60.4332, 38.7419, 72.7055
YIQ	168.9440, 49.4140, 62.6460

Conversions

Conversions Part 2

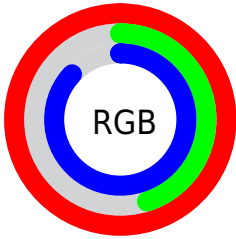
Format	Color
R _Y B	255, 115, 221
Decimal	16741341
CIE Lab	68.56, 65.45, -29.01
CIE LCh	69, 71.590, 336.095
Yxy	38.7419, 0.3516, 0.2254
Android (android.graphics.Color)	4294931421 (0xFFFF73DD)
YUV	168.9440, 25.6636, 75.4711
Hunter-Lab	62.2430, 64.3848, -25.6861

Details

The Yxy color **38.7419, 0.3516, 0.2254** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.3318, 0.2900, 0.4648**, and the grayscale version is **39.4912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **17.1836, 0.3592, 0.2004** is the 20% darker color. If you saturate the color by 10%, you get **33.3808, 0.3612, 0.2112**, and if you desaturate by 10%, it is **45.7118, 0.3425, 0.2425**.

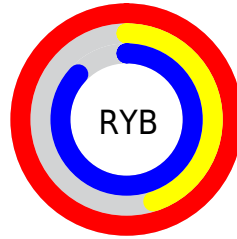
Distribution



Red (100%)

Green (45%)

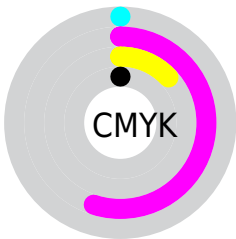
Blue (87%)



Red (100%)

Yellow (45%)

Blue (87%)

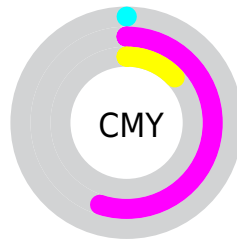


Cyan (0%)

Magenta (55%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7419, 0.3516, 0.2254 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 38.7419, 0.3516, 0.2254 by changing the saturation by 10% instead.


 38.7419, 0.3516,
0.2254


 38.7419, 0.3516,
0.2254


340.7919, 0.3339,
0.2735

 26.5590, 0.3555,
0.2145


 73.2439, 0.3456,
0.2421

 17.2423, 0.3602,
0.2011


 96.3317, 0.3432,
0.2486

 10.4074, 0.3660,
0.1844


 123.8233, 0.3411,
0.2542

 5.6699, 0.3732,
0.1629

156.1031, 0.3393,
0.2590

 2.6454, 0.3823,
0.1349

193.5555, 0.3377,
0.2633

 0.9495, 0.3934,
0.0977

236.5648, 0.3363,

 0.0000, 0.4263,

0.2671

0.0000

285.5155, 0.3351,
0.2705

0.0000, 0.3777,
0.0000

0.0000, 0.0000,
0.0000

38.7419, 0.3516,
0.2254

38.7419, 0.3516,
0.2254

33.3808, 0.3612,
0.2112

45.7118, 0.3425,
0.2425

29.5089, 0.3711,
0.2008


54.4282, 0.3343,
0.2613


26.9618, 0.3810,
0.1951

64.9946, 0.3270,
0.2810

25.5441, 0.3906,
0.1942

77.5116, 0.3206,
0.3007

 25.1147, 0.3954,
0.1952

 92.0720, 0.3151,
0.3199

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



38.7419, 0.2497, 0.1891



38.7419, 0.3516, 0.2254



38.7419, 0.4572, 0.2817

Triad

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



38.7419, 0.3516, 0.2254



38.7419, 0.4378, 0.4906



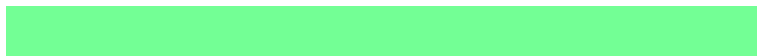
38.7419, 0.1451, 0.2565

Complementary

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



38.7419, 0.3516, 0.2254



77.3318, 0.2900, 0.4648

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.



38.7419, 0.1792, 0.3619



38.7419, 0.3516, 0.2254



38.7419, 0.3466, 0.5274

Square

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



38.7419, 0.3516, 0.2254



38.7419, 0.5029, 0.4205



38.7419, 0.2518, 0.4797



38.7419, 0.1467, 0.1979

Rectangle

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



38.7419, 0.3516, 0.2254



38.7419, 0.5037, 0.3255



38.7419, 0.2518, 0.4797



38.7419, 0.1522, 0.2866

Sweetspot

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



38.7363, 0.3516, 0.2254



76.0529, 0.3213, 0.2986



25.7383, 0.2274, 0.1611



15.7015, 0.3225, 0.2945



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.



38.7363, 0.3516, 0.2254



32.8904, 0.3623, 0.2098



35.7927, 0.4321, 0.2915



18.2205, 0.3175, 0.3112



13.1478, 0.3939, 0.1944



1.2973, 0.3838, 0.1888

Inverse Universe

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



38.7363, 0.3516, 0.2254



32.8904, 0.3623, 0.2098



80.2072, 0.2587, 0.3743



18.2205, 0.3175, 0.3112



13.1478, 0.3939, 0.1944



1.2973, 0.3838, 0.1888

Previews

White Background



This preview shows how the Yxy color 38.7419, 0.3516, 0.2254 looks on a white background.

Color Contrast Check

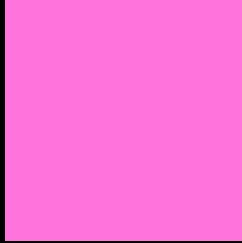
Large Text (above 18pt) WCAG AA × Fail

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 38.7419, 0.3516, 0.2254 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 38.7419, 0.3516, 0.2254

Background



This preview shows how black text looks on a background with the Yxy color 38.7419, 0.3516, 0.2254.



This preview shows how white text looks on a background with the Yxy color 38.7419, 0.3516, 0.2254.

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

38.7419, 0.3516, 0.2254

Protanopia

39.2812, 0.2295, 0.2173

Deuteranopia

38.8286, 0.2707, 0.2642



Tritanopia

38.5324, 0.4275, 0.3186

Trichromacy



Original Color

38.7419, 0.3516, 0.2254



Protanomaly

36.9222, 0.2633, 0.2151



Deuteranomaly

37.1177, 0.2971, 0.2441



Tritanomaly

38.1860, 0.4004, 0.2819

Monochromacy



Original Color

38.7419, 0.3516, 0.2254



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.4051, 0.3268, 0.2801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7419, 0.3516, 0.2254 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, 115, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 221)  
}
```

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, 115, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 221) }
```

Border

The CSS property to change the border of an element to Yxy 38.7419, 0.3516, 0.2254 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, 115, 221) }
```

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

```
.border{ border-color:rgb(255, 115, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7419, 0.3516, 0.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 221) }
```

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

```
.background{ background-color: rgb(255,  
115, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor