

Converting Colors

$Y_{xy}(43.4300, 0.4053, 0.2563)$

Have a look what the booklet for
Yxy(43.4300, 0.4053, 0.2563)
contains.

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Color

Yxy(37.5527, 0.3778, 0.2470)

Conversions

Conversions Part 1

Format	Color
Hex	FF73C5
RGB	255, 115, 197
RGB Percent	100%, 45%, 77%
CMY	0.0001, 0.5489, 0.2275
CMYK	0.00, 0.55, 0.23, 0.00
HSL	325°, 100%, 73%
HSV	325°, 55%, 100%
XYZ	57.4389, 37.5527, 57.0436
YIQ	166.2080, 57.1180, 55.1820

Conversions

Conversions Part 2

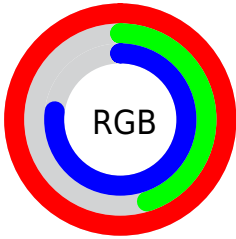
Format	Color
R_{YB}	255, 115, 197
Decimal	16741317
CIE _{Lab}	67.69, 62.00, -16.94
CIE _{LCh}	68, 64.267, 344.719
Yxy	37.5527, 0.3778, 0.2470
Android (android.graphics.Color)	4294931397 (0xFFFF73C5)
YUV	166.2080, 15.1805, 77.8706
Hunter-Lab	61.2803, 60.0703, -12.2948

Details

The Yxy color **37.5527, 0.3778, 0.2470** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.1621, 0.2790, 0.4330**, and the grayscale version is **38.1486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9208, 0.3173, 0.2487**, and **16.5115, 0.3958, 0.2259** is the 20% darker color. If you saturate the color by 10%, you get **32.0523, 0.3957, 0.2359**, and if you desaturate by 10%, it is **44.6985, 0.3617, 0.2607**.

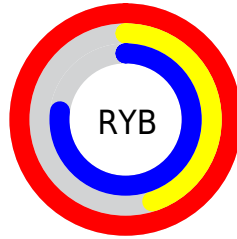
Distribution



Red (100%)

Green (45%)

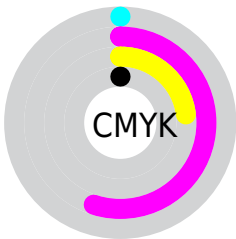
Blue (77%)



Red (100%)

Yellow (45%)

Blue (77%)

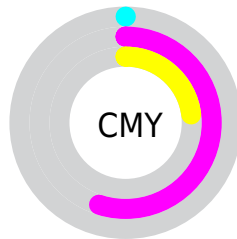


Cyan (0%)

Magenta (55%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (55%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5527, 0.3778, 0.2470 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 37.5527, 0.3778, 0.2470 by changing the saturation by 10% instead.


 37.5527, 0.3778,
0.2470


 37.5527, 0.3778,
0.2470


335.6973, 0.3457,
0.2865

 25.6357, 0.3857,
0.2377


 71.4220, 0.3662,
0.2610

 16.5513, 0.3956,
0.2260

 94.1432, 0.3619,
0.2663

 9.9151, 0.4087,
0.2110


 121.2344, 0.3581,
0.2709

 5.3427, 0.4265,
0.1911

153.0803, 0.3549,
0.2748

 2.4497, 0.4521,
0.1637

190.0651, 0.3522,
0.2783

 0.8513, 0.4915,
0.1245

232.5733, 0.3497,

 0.0000, 0.5980,

0.2813

0.0000

280.9892, 0.3476,
0.2840

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

37.5527, 0.3778,
0.2470

37.5527, 0.3778,
0.2470

32.0523, 0.3957,
0.2359

44.6985, 0.3617,
0.2607

28.0548, 0.4148,
0.2287

53.6053, 0.3475,
0.2758

25.4029, 0.4344,
0.2263

64.3848, 0.3354,
0.2915

23.9007, 0.4537,
0.2294

77.1378, 0.3250,
0.3070

 23.4343, 0.4633,
0.2326

 91.9577, 0.3164,
0.3220

99.9933, 0.3127,
0.3290

Harmonies

Analogous

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



37.5527, 0.2799, 0.2067



37.5527, 0.3778, 0.2470



37.5527, 0.4653, 0.3039

Triad

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



37.5527, 0.3778, 0.2470



37.5527, 0.4079, 0.4931



37.5527, 0.1545, 0.2439

Complementary

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



37.5527, 0.3778, 0.2470



78.1621, 0.2790, 0.4330

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.



37.5527, 0.1772, 0.3289



37.5527, 0.3778, 0.2470



37.5527, 0.3206, 0.5041

Square

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



37.5527, 0.3778, 0.2470



37.5527, 0.4757, 0.4362



37.5527, 0.2359, 0.4370



37.5527, 0.1644, 0.1998

Rectangle

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



37.5527, 0.3778, 0.2470



37.5527, 0.4965, 0.3466



37.5527, 0.2359, 0.4370



37.5527, 0.1582, 0.2676

Sweetspot

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



37.5546, 0.3778, 0.2470



75.6333, 0.3261, 0.3053



28.1467, 0.2454, 0.1686



15.6011, 0.3281, 0.3021



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.



37.5546, 0.3778, 0.2470



31.5426, 0.3978, 0.2349



35.1092, 0.4612, 0.3155



18.1656, 0.3202, 0.3152



12.2792, 0.4603, 0.2309



1.2174, 0.4400, 0.2197

Inverse Universe

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



37.5546, 0.3778, 0.2470



31.5426, 0.3978, 0.2349



81.4941, 0.2487, 0.3453



18.1656, 0.3202, 0.3152



12.2792, 0.4603, 0.2309



1.2174, 0.4400, 0.2197

Previews

White Background



This preview shows how the Yxy color 37.5527, 0.3778, 0.2470 looks on a white background.

Color Contrast Check

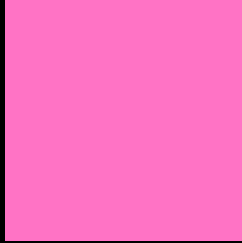
Large Text (above 18pt) WCAG AA × Fail

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 37.5527, 0.3778, 0.2470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

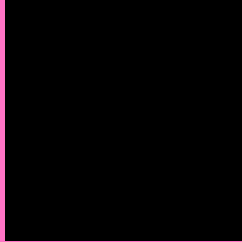
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5527, 0.3778, 0.2470

Background



This preview shows how black text looks on a background with the Yxy color 37.5527, 0.3778, 0.2470.



This preview shows how white text looks on a background with the Yxy color 37.5527, 0.3778, 0.2470.

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

37.5527, 0.3778, 0.2470

Protanopia

37.8932, 0.2473, 0.2402

Deuteranopia

37.7535, 0.2963, 0.2897



Tritanopia

37.3842, 0.4390, 0.3199

Trichromacy



Original Color

37.5527, 0.3778, 0.2470



Protanomaly

35.8626, 0.2848, 0.2385



Deuteranomaly

36.2143, 0.3235, 0.2682



Tritanomaly

37.1784, 0.4167, 0.2916

Monochromacy



Original Color

37.5527, 0.3778, 0.2470



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.0475, 0.3358, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5527, 0.3778, 0.2470 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 197) }
```

Border

The CSS property to change the border of an element to Yxy 37.5527, 0.3778, 0.2470 is called "border". The border property can be set on classes, ids or directly on the HTML element.

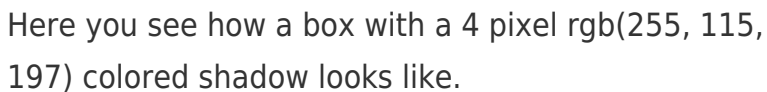
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 115, 197) }
```

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

```
.border{ border-color:rgb(255, 115, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 115, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 115, 197); box-shadow:4px 4px 4px 4px rgb(255, 115, 197) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5527, 0.3778, 0.2470 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, 197) }
```

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

```
.background{ background-color: rgb(255,  
115, 197) }
```

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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