

Converting Colors

$Y_{xy}(38.3216, 0.3732, 0.2401)$

Have a look what the booklet for
Yxy(38.3216, 0.3732, 0.2401)
contains.

Yxy(37.7024, 0.3690, 0.2387)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.7024, 0.3690, 0.2387)

Conversions

Conversions Part 1

Format	Color
Hex	FF72CD
RGB	255, 114, 205
RGB Percent	100%, 45%, 80%
CMY	0.0000, 0.5530, 0.1961
CMYK	0.00, 0.55, 0.20, 0.00
HSL	321°, 100%, 72%
HSV	321°, 55%, 100%
XYZ	58.2831, 37.7024, 61.9633
YIQ	166.5330, 54.8250, 58.1930

Conversions

Conversions Part 2

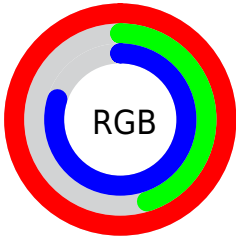
Format	Color
R _Y B	255, 114, 205
Decimal	16741069
CIE Lab	67.80, 63.58, -21.25
CIE LCh	68, 67.036, 341.515
Yxy	37.7024, 0.3690, 0.2387
Android (android.graphics.Color)	4294931149 (0xFFFF72CD)
YUV	166.5330, 18.9642, 77.5856
Hunter-Lab	61.4023, 61.9785, -16.8502

Details

The Yxy color **37.7024, 0.3690, 0.2387** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.7764, 0.2828, 0.4452**, and the grayscale version is **38.2868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **16.6648, 0.3826, 0.2161** is the 20% darker color. If you saturate the color by 10%, you get **32.3035, 0.3838, 0.2266**, and if you desaturate by 10%, it is **44.7241, 0.3554, 0.2536**.

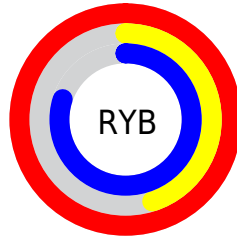
Distribution



Red (100%)

Green (45%)

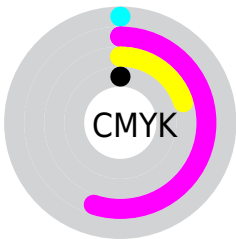
Blue (80%)



Red (100%)

Yellow (45%)

Blue (80%)

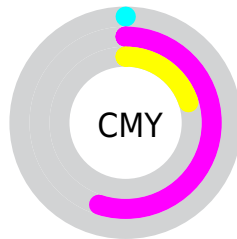


Cyan (0%)

Magenta (55%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (55%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7024, 0.3690, 0.2387 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 37.7024, 0.3690, 0.2387 by changing the saturation by 10% instead.


 37.7024, 0.3690,
0.2387


 37.7024, 0.3690,
0.2387

336.3416, 0.3418,
0.2816


 25.7518, 0.3755,
0.2287


 71.6518, 0.3593,
0.2538

 16.6380, 0.3836,
0.2163


 94.4193, 0.3556,
0.2596

 9.9768, 0.3942,
0.2005


 121.5613, 0.3525,
0.2646

 5.3836, 0.4082,
0.1798

153.4621, 0.3497,
0.2689

 2.4740, 0.4278,
0.1519

190.5062, 0.3474,
0.2727

 0.8636, 0.4565,
0.1130

233.0778, 0.3453,

 0.0000, 0.5325,

0.2760

0.0000

281.5615, 0.3434,
0.2790

■ 0.0000, 0.9457,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7024, 0.3690,
0.2387

■ 37.7024, 0.3690,
0.2387

■ 32.3035, 0.3838,
0.2266

■ 44.7241, 0.3554,
0.2536

■ 28.3980, 0.3996,
0.2183


■ 53.4981, 0.3433,
0.2700


■ 25.8231, 0.4156,
0.2149

■ 64.1320, 0.3328,
0.2871

■ 24.3810, 0.4313,
0.2167

■ 76.7264, 0.3238,
0.3041

 23.9615, 0.4385,
0.2189

 91.3751, 0.3162,
0.3206

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.



37.7024, 0.2687, 0.1996



37.7024, 0.3690, 0.2387



37.7024, 0.4639, 0.2956

Triad

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



37.7024, 0.3690, 0.2387



37.7024, 0.4190, 0.4938



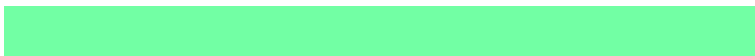
37.7024, 0.1502, 0.2475

Complementary

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



37.7024, 0.3690, 0.2387



77.7764, 0.2828, 0.4452

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.



37.7024, 0.1770, 0.3400



37.7024, 0.3690, 0.2387



37.7024, 0.3298, 0.5145

Square

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



37.7024, 0.3690, 0.2387



37.7024, 0.4864, 0.4311



37.7024, 0.2409, 0.4530



37.7024, 0.1571, 0.1983

Rectangle

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



37.7024, 0.3690, 0.2387



37.7024, 0.5006, 0.3390



37.7024, 0.2409, 0.4530



37.7024, 0.1551, 0.2735

Sweetspot

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



37.6997, 0.3690, 0.2387



74.4414, 0.3253, 0.3013



27.0746, 0.2392, 0.1650



15.3722, 0.3270, 0.2979



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.



37.6997, 0.3690, 0.2387



31.9828, 0.3849, 0.2258



35.0451, 0.4542, 0.3082



18.1846, 0.3193, 0.3138



12.5499, 0.4360, 0.2176



1.2427, 0.4194, 0.2084

Inverse Universe

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



37.6997, 0.3690, 0.2387



31.9828, 0.3849, 0.2258



81.0284, 0.2513, 0.3540



18.1846, 0.3193, 0.3138



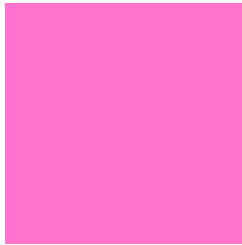
12.5499, 0.4360, 0.2176



1.2427, 0.4194, 0.2084

Previews

White Background



This preview shows how the Yxy color 37.7024, 0.3690, 0.2387 looks on a white background.

Color Contrast Check

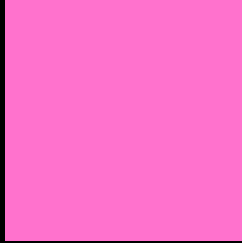
Large Text (above 18pt) WCAG AA × Fail

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 37.7024, 0.3690, 0.2387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

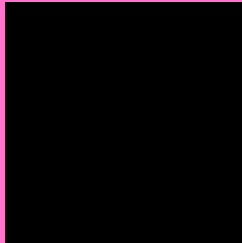
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7024, 0.3690, 0.2387

Background



This preview shows how black text looks on a background with the Yxy color 37.7024, 0.3690, 0.2387.



This preview shows how white text looks on a background with the Yxy color 37.7024, 0.3690, 0.2387.

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

37.7024, 0.3690, 0.2387

Protanopia

38.1207, 0.2391, 0.2291

Deuteranopia

37.9789, 0.2872, 0.2817



Tritanopia

37.4920, 0.4363, 0.3198

Trichromacy



Original Color

37.7024, 0.3690, 0.2387



Protanomaly

35.7973, 0.2761, 0.2277



Deuteranomaly

36.4267, 0.3140, 0.2609



Tritanomaly

37.5332, 0.4127, 0.2895

Monochromacy



Original Color

37.7024, 0.3690, 0.2387



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.6581, 0.3327, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7024, 0.3690, 0.2387 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, 114, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 205)  
}
```

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, 114, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 205) }
```

Border

The CSS property to change the border of an element to Yxy 37.7024, 0.3690, 0.2387 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, 114, 205) }
```

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

```
.border{ border-color:rgb(255, 114, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 114, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7024, 0.3690, 0.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 114, 205) }
```

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

```
.background{ background-color: rgb(255,  
114, 205) }
```

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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