

Converting Colors

$Yxy(37.1831, 0.3769, 0.2442)$

Have a look what the booklet for
Yxy(37.1831, 0.3769, 0.2442)
contains.

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Color

Yxy(37.1475, 0.3771, 0.2443)

Conversions

Conversions Part 1

Format	Color
Hex	FF71C6
RGB	255, 113, 198
RGB Percent	100%, 44%, 78%
CMY	0.0000, 0.5569, 0.2236
CMYK	0.00, 0.56, 0.22, 0.00
HSL	324°, 100%, 72%
HSV	324°, 56%, 100%
XYZ	57.3407, 37.1475, 57.5687
YIQ	165.1480, 57.3470, 56.5390

Conversions

Conversions Part 2

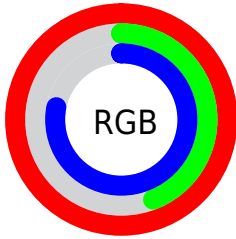
Format	Color
R_{YB}	255, 113, 198
Decimal	16740806
CIE _{Lab}	67.39, 63.06, -17.95
CIE _{LCh}	67, 65.562, 344.109
Yxy	37.1475, 0.3771, 0.2443
Android (android.graphics.Color)	4294930886 (0xFFFF71C6)
YUV	165.1480, 16.1960, 78.8002
Hunter-Lab	60.9487, 61.2727, -13.3379

Details

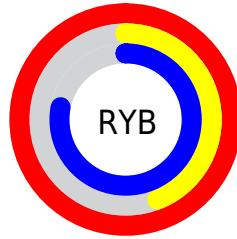
The Yxy color **37.1475, 0.3771, 0.2443** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.9332, 0.2796, 0.4373**, and the grayscale version is **37.6004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2295, 0.3166, 0.2460**, and **16.3481, 0.3945, 0.2231** is the 20% darker color. If you saturate the color by 10%, you get **31.7778, 0.3944, 0.2332**, and if you desaturate by 10%, it is **44.1459, 0.3614, 0.2581**.

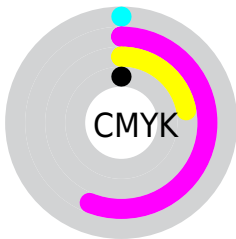
Distribution



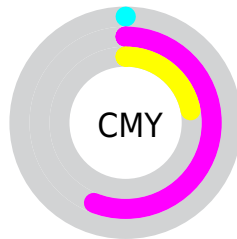
- Red (100%)
- Green (44%)
- Blue (78%)



- Red (100%)
- Yellow (44%)
- Blue (78%)



- Cyan (0%)
- Magenta (56%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1475, 0.3771, 0.2443 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 37.1475, 0.3771, 0.2443 by changing the saturation by 10% instead.


 37.1475, 0.3771,
0.2443


 37.1475, 0.3771,
0.2443


333.9487, 0.3454,
0.2850


 25.3217, 0.3848,
0.2347


 70.7996, 0.3657,
0.2587

 16.3169, 0.3946,
0.2227


 93.3947, 0.3614,
0.2642

 9.7487, 0.4075,
0.2073


 120.3483, 0.3577,
0.2689

 5.2326, 0.4249,
0.1870

152.0449, 0.3546,
0.2730

 2.3844, 0.4498,
0.1591

188.8688, 0.3518,
0.2766

 0.8178, 0.4879,
0.1193

231.2045, 0.3494,

 0.0000, 0.5875,

0.2797

0.0000

279.4363, 0.3473,
0.2825

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1475, 0.3771,
0.2443

■ 37.1475, 0.3771,
0.2443

■ 31.7778, 0.3944,
0.2332

■ 44.1459, 0.3614,
0.2581

■ 27.9002, 0.4128,
0.2261

■ 52.8971, 0.3475,
0.2734

■ 25.3526, 0.4317,
0.2239

■ 63.5110, 0.3356,
0.2894

■ 23.9351, 0.4501,
0.2270

■ 76.0891, 0.3255,
0.3053

■ 23.5476, 0.4579,
0.2296

■ 90.7253, 0.3169,
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.



37.1475, 0.2772, 0.2038



37.1475, 0.3771, 0.2443



37.1475, 0.4675, 0.3018

Triad

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



37.1475, 0.3771, 0.2443



37.1475, 0.4109, 0.4955



37.1475, 0.1517, 0.2431

Complementary

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



37.1475, 0.3771, 0.2443



77.9332, 0.2796, 0.4373

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.



37.1475, 0.1753, 0.3307



37.1475, 0.3771, 0.2443



37.1475, 0.3221, 0.5092

Square

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



37.1475, 0.3771, 0.2443



37.1475, 0.4798, 0.4362



37.1475, 0.2355, 0.4420



37.1475, 0.1612, 0.1978

Rectangle

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



37.1475, 0.3771, 0.2443



37.1475, 0.5001, 0.3450



37.1475, 0.2355, 0.4420



37.1475, 0.1556, 0.2676

Sweetspot

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



37.1470, 0.3771, 0.2443



74.3215, 0.3267, 0.3032



27.5538, 0.2442, 0.1662



15.3438, 0.3286, 0.3001



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.



37.1470, 0.3771, 0.2443



31.1866, 0.3968, 0.2320



34.6076, 0.4647, 0.3154



18.1697, 0.3200, 0.3149



12.3344, 0.4550, 0.2280



1.2226, 0.4355, 0.2173

Inverse Universe

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



37.1470, 0.3771, 0.2443



31.1866, 0.3968, 0.2320



81.3696, 0.2481, 0.3456



18.1697, 0.3200, 0.3149



12.3344, 0.4550, 0.2280



1.2226, 0.4355, 0.2173

Previews

White Background



This preview shows how the Yxy color 37.1475, 0.3771, 0.2443 looks on a white background.

Color Contrast Check

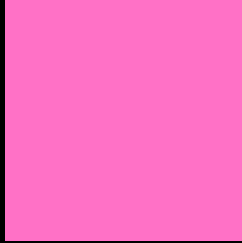
Large Text (above 18pt) WCAG AA × Fail

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 37.1475, 0.3771, 0.2443 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 37.1475, 0.3771, 0.2443

Background



This preview shows how black text looks on a background with the Yxy color 37.1475, 0.3771, 0.2443.



This preview shows how white text looks on a background with the Yxy color 37.1475, 0.3771, 0.2443.

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

37.1475, 0.3771, 0.2443

Protanopia

37.4746, 0.2446, 0.2364

Deuteranopia

37.1841, 0.2945, 0.2881



Tritanopia

37.0961, 0.4407, 0.3199

Trichromacy



Original Color

37.1475, 0.3771, 0.2443



Protanomaly

35.1811, 0.2831, 0.2348



Deuteranomaly

35.7745, 0.3226, 0.2667



Tritanomaly

36.9315, 0.4171, 0.2906

Monochromacy



Original Color

37.1475, 0.3771, 0.2443



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.7379, 0.3359, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1475, 0.3771, 0.2443 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, 113, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 198)  
}
```

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, 113, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 198) }
```

Border

The CSS property to change the border of an element to Yxy 37.1475, 0.3771, 0.2443 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, 113, 198) }
```

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

```
.border{ border-color:rgb(255, 113, 198) }
```

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

Here you see how a box with a 4 pixel rgb(255, 113, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1475, 0.3771, 0.2443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 198) }
```

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

```
.background{ background-color: rgb(255,  
113, 198) }
```

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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