

Converting Colors

$Yxy(37.7789, 0.3631, 0.2337)$

Have a look what the booklet for
Yxy(37.7789, 0.3631, 0.2337)
contains.

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Color

Yxy(37.9478, 0.3634, 0.2342)

Conversions

Conversions Part 1

Format	Color
Hex	FF72D2
RGB	255, 114, 210
RGB Percent	100%, 45%, 82%
CMY	0.0001, 0.5528, 0.1764
CMYK	0.00, 0.55, 0.18, 0.00
HSL	319°, 100%, 72%
HSV	319°, 55%, 100%
XYZ	58.8823, 37.9478, 65.2015
YIQ	167.1030, 53.2200, 59.7480

Conversions

Conversions Part 2

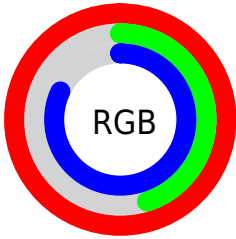
Format	Color
R _Y B	255, 114, 210
Decimal	16741074
CIE Lab	67.98, 64.25, -23.78
CIE LCh	68, 68.505, 339.689
Yxy	37.9478, 0.3634, 0.2342
Android (android.graphics.Color)	4294931154 (0xFFFF72D2)
YUV	167.1030, 21.1482, 77.0857
Hunter-Lab	61.6018, 62.8167, -19.6334

Details

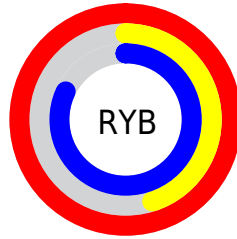
The Yxy color **37.9478, 0.3634, 0.2342** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.5817, 0.2851, 0.4518**, and the grayscale version is **38.5769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **16.7010, 0.3763, 0.2110** is the 20% darker color. If you saturate the color by 10%, you get **32.5802, 0.3765, 0.2214**, and if you desaturate by 10%, it is **44.9424, 0.3513, 0.2498**.

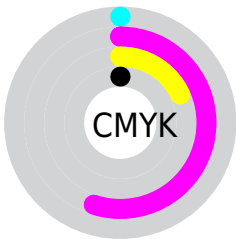
Distribution



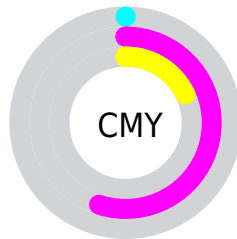
- Red (100%)
- Green (45%)
- Blue (82%)



- Red (100%)
- Yellow (45%)
- Blue (82%)



- Cyan (0%)
- Magenta (55%)
- Yellow (18%)
- Black (0%)





- Cyan (0%)
- Magenta (55%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9478, 0.3634, 0.2342 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 37.9478, 0.3634, 0.2342 by changing the saturation by 10% instead.

 37.9478, 0.3634,
0.2342


 37.9478, 0.3634,
0.2342


337.3960, 0.3393,
0.2789


 25.9422, 0.3690,
0.2239


 72.0281, 0.3549,
0.2498

 16.7804, 0.3761,
0.2111


 94.8716, 0.3516,
0.2559

 10.0780, 0.3850,
0.1949


 122.0965, 0.3488,
0.2611

 5.4507, 0.3968,
0.1739

154.0872, 0.3464,
0.2656

 2.5141, 0.4128,
0.1459

191.2281, 0.3443,
0.2695

 0.8837, 0.4354,
0.1074

233.9036, 0.3424,

 0.0000, 0.4955,

0.2730

0.0000

282.4981, 0.3407,
0.2761

■ 0.0000, 0.5869,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.9478, 0.3634,
0.2342

■ 37.9478, 0.3634,
0.2342

■ 32.5802, 0.3765,
0.2214

■ 44.9424, 0.3513,
0.2498

■ 28.6969, 0.3903,
0.2125

■ 53.6799, 0.3405,
0.2670

■ 26.1398, 0.4043,
0.2083

■ 64.2720, 0.3310,
0.2849

■ 24.7114, 0.4179,
0.2093

■ 76.8193, 0.3229,
0.3028

■ 24.2957, 0.4242,
0.2111

■ 91.4154, 0.3159,
0.3202

99.9939, 0.3127,
0.3290

Harmonies

Analogous

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



37.9478, 0.2623, 0.1960



37.9478, 0.3634, 0.2342



37.9478, 0.4620, 0.2910

Triad

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



37.9478, 0.3634, 0.2342



37.9478, 0.4253, 0.4931



37.9478, 0.1483, 0.2502

Complementary

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



37.9478, 0.3634, 0.2342



77.5817, 0.2851, 0.4518

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.



37.9478, 0.1775, 0.3470



37.9478, 0.3634, 0.2342



37.9478, 0.3353, 0.5193

Square

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



37.9478, 0.3634, 0.2342



37.9478, 0.4921, 0.4278



37.9478, 0.2443, 0.4620



37.9478, 0.1535, 0.1980

Rectangle

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



37.9478, 0.3634, 0.2342



37.9478, 0.5020, 0.3345



37.9478, 0.2443, 0.4620



37.9478, 0.1539, 0.2776

Sweetspot

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



37.9496, 0.3634, 0.2342



74.5333, 0.3242, 0.2998



26.5964, 0.2355, 0.1636



15.3940, 0.3258, 0.2962



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.



37.9496, 0.3634, 0.2342



32.2598, 0.3775, 0.2206



35.1855, 0.4482, 0.3034



18.1960, 0.3187, 0.3129



12.7271, 0.4221, 0.2099



1.2591, 0.4076, 0.2019

Inverse Universe

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



37.9496, 0.3634, 0.2342



32.2598, 0.3775, 0.2206



80.7433, 0.2534, 0.3598



18.1960, 0.3187, 0.3129



12.7271, 0.4221, 0.2099



1.2591, 0.4076, 0.2019

Previews

White Background



This preview shows how the Yxy color 37.9478, 0.3634, 0.2342 looks on a white background.

Color Contrast Check

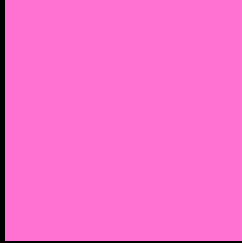
Large Text (above 18pt) WCAG AA × Fail

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 37.9478, 0.3634, 0.2342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

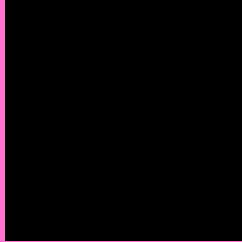
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9478, 0.3634, 0.2342

Background



This preview shows how black text looks on a background with the Yxy color 37.9478, 0.3634, 0.2342.



This preview shows how white text looks on a background with the Yxy color 37.9478, 0.3634, 0.2342.

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

37.9478, 0.3634, 0.2342

Protanopia

38.3131, 0.2348, 0.2228

Deuteranopia

37.9974, 0.2817, 0.2752



Tritanopia

37.8152, 0.4335, 0.3187

Trichromacy



Original Color

37.9478, 0.3634, 0.2342



Protanomaly

36.0151, 0.2709, 0.2216



Deuteranomaly

36.5289, 0.3085, 0.2551



Tritanomaly

37.6411, 0.4091, 0.2863

Monochromacy



Original Color

37.9478, 0.3634, 0.2342



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.7408, 0.3307, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9478, 0.3634, 0.2342 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 210) }
```

Border

The CSS property to change the border of an element to Yxy 37.9478, 0.3634, 0.2342 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, 210) }
```

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

```
.border{ border-color:rgb(255, 114, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9478, 0.3634, 0.2342 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, 210) }
```

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

```
.background{ background-color: rgb(255,  
114, 210) }
```

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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