

Converting Colors

Yxy(37.2139, 0.3249, 0.1922)

Have a look what the booklet for
Yxy(37.2139, 0.3249, 0.1922)
contains.

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Color

Yxy(37.2139, 0.3249, 0.1922)

Conversions

Conversions Part 1

Format	Color
Hex	FF64F9
RGB	255, 100, 249
RGB Percent	100%, 39%, 98%
CMY	0.0000, 0.6080, 0.0235
CMYK	0.00, 0.61, 0.02, 0.00
HSL	302°, 100%, 70%
HSV	302°, 61%, 100%
XYZ	62.9074, 37.2139, 93.4994
YIQ	163.3310, 44.5510, 79.1990

Conversions

Conversions Part 2

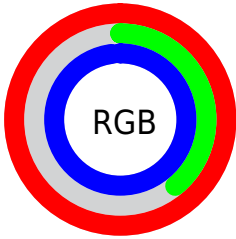
Format	Color
R _Y B	255, 100, 249
Decimal	16737529
CIE Lab	67.44, 76.09, -46.24
CIE LCh	67, 89.042, 328.713
Yxy	37.2139, 0.3249, 0.1922
Android (android.graphics.Color)	4294927609 (0xFFFF64F9)
YUV	163.3310, 42.2348, 80.3937
Hunter-Lab	61.0032, 77.3162, -48.1714

Details

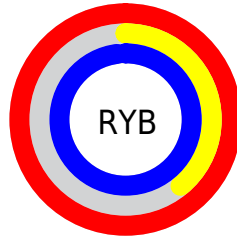
The Yxy color **37.2139, 0.3249, 0.1922** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.2672, 0.3013, 0.5200**, and the grayscale version is **36.5619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **16.3878, 0.3244, 0.1635** is the 20% darker color. If you saturate the color by 10%, you get **32.9993, 0.3268, 0.1777**, and if you desaturate by 10%, it is **42.9479, 0.3228, 0.2104**.

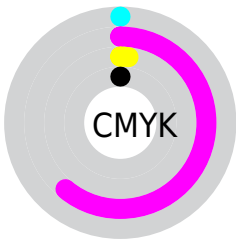
Distribution



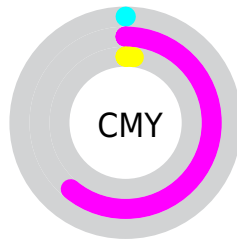
- Red (100%)
- Green (39%)
- Blue (98%)



- Red (100%)
- Yellow (39%)
- Blue (98%)



- Cyan (0%)
- Magenta (61%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2139, 0.3249, 0.1922 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 37.2139, 0.3249, 0.1922 by changing the saturation by 10% instead.


 37.2139, 0.3249,
0.1922


 37.2139, 0.3249,
0.1922


334.2357, 0.3221,
0.2533

 25.3731, 0.3248,
0.1791


 70.9016, 0.3245,
0.2128

 16.3553, 0.3243,
0.1634


 93.5174, 0.3242,
0.2210

 9.7759, 0.3231,
0.1444


 120.4937, 0.3238,
0.2281

 5.2506, 0.3204,
0.1212

 152.2148, 0.3234,
0.2344

 2.3951, 0.3150,
0.0929

189.0651, 0.3231,
0.2400

 0.8233, 0.3039,
0.0592

231.4291, 0.3227,

 0.0000, 0.2868,

0.2449

0.0000

279.6912, 0.3224,
0.2493

■ 0.0000, 0.2171,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2139, 0.3249,
0.1922

■ 37.2139, 0.3249,
0.1922

■ 32.9993, 0.3268,
0.1777

■ 42.9479, 0.3228,
0.2104

■ 30.1719, 0.3284,
0.1676


■ 50.3467, 0.3207,
0.2316


■ 28.5489, 0.3299,
0.1618

■ 59.5206, 0.3186,
0.2548

■ 27.8618, 0.3310,
0.1597

■ 70.5747, 0.3166,
0.2790

 83.6061, 0.3146,
0.3034

 98.7051, 0.3129,
0.3271

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.



37.2139, 0.2103, 0.1580



37.2139, 0.3249, 0.1922



37.2139, 0.4636, 0.2512

Triad

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



37.2139, 0.3249, 0.1922



37.2139, 0.4768, 0.4934



37.2139, 0.1190, 0.2608

Complementary

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



37.2139, 0.3249, 0.1922



75.2672, 0.3013, 0.5200

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.



37.2139, 0.1654, 0.4083



37.2139, 0.3249, 0.1922



37.2139, 0.3706, 0.5701

Square

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



37.2139, 0.3249, 0.1922



37.2139, 0.5509, 0.4032



37.2139, 0.2579, 0.5537



37.2139, 0.1139, 0.1811

Rectangle

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



37.2139, 0.3249, 0.1922



37.2139, 0.5340, 0.2986



37.2139, 0.2579, 0.5537



37.2139, 0.1292, 0.3029

Sweetspot

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



37.2085, 0.3249, 0.1922



74.0164, 0.3160, 0.2858



19.3396, 0.1967, 0.1337



15.0768, 0.3166, 0.2787



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.



37.2085, 0.3249, 0.1922



32.2634, 0.3271, 0.1751



33.3589, 0.4115, 0.2577



18.2875, 0.3144, 0.3065



14.5638, 0.3308, 0.1596



1.4217, 0.3296, 0.1589

Inverse Universe

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



37.2085, 0.3249, 0.1922



32.2634, 0.3271, 0.1751



77.6319, 0.2689, 0.4216



18.2875, 0.3144, 0.3065



14.5638, 0.3308, 0.1596



1.4217, 0.3296, 0.1589

Previews

White Background



This preview shows how the Yxy color 37.2139, 0.3249, 0.1922 looks on a white background.

Color Contrast Check

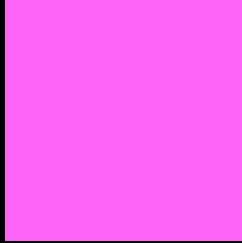
Large Text (above 18pt) WCAG AA × Fail

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 37.2139, 0.3249, 0.1922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

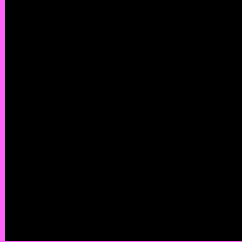
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2139, 0.3249, 0.1922

Background



This preview shows how black text looks on a background with the Yxy color 37.2139, 0.3249, 0.1922.

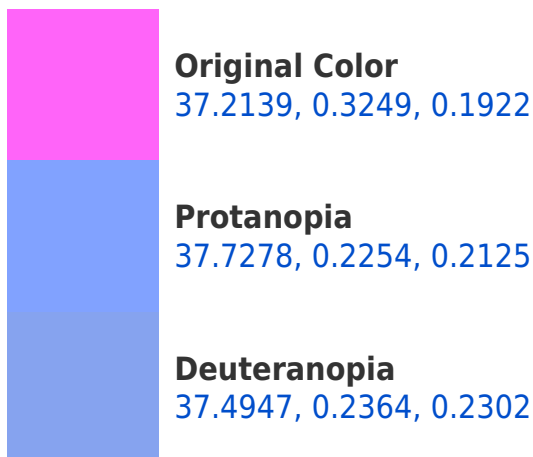


This preview shows how white text looks on a background with the Yxy color 37.2139, 0.3249, 0.1922.

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





Tritanopia

37.0033, 0.4271, 0.3195

Trichromacy



Original Color

37.2139, 0.3249, 0.1922



Protanomaly

34.6710, 0.2528, 0.1963



Deuteranomaly

34.6922, 0.2617, 0.2068



Tritanomaly

36.5024, 0.3885, 0.2660

Monochromacy



Original Color

37.2139, 0.3249, 0.1922



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.3870, 0.3179, 0.2610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2139, 0.3249, 0.1922 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, 100, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 249)  
}
```

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, 100, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 249) }
```

Border

The CSS property to change the border of an element to Yxy 37.2139, 0.3249, 0.1922 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, 100, 249) }
```

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

```
.border{ border-color:rgb(255, 100, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2139, 0.3249, 0.1922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 249) }
```

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

```
.background{ background-color: rgb(255,  
100, 249) }
```

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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