

Converting Colors

$Y_{xy}(37.7278, 0.3229, 0.1922)$

Have a look what the booklet for
Yxy(37.7278, 0.3229, 0.1922)
contains.

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Color

Yxy(37.7278, 0.3229, 0.1922)

Conversions

Conversions Part 1

Format	Color
Hex	FF66FB
RGB	255, 102, 251
RGB Percent	100%, 40%, 98%
CMY	0.0002, 0.5997, 0.0158
CMYK	0.00, 0.60, 0.02, 0.00
HSL	302°, 100%, 70%
HSV	302°, 60%, 100%
XYZ	63.3835, 37.7278, 95.1832
YIQ	164.7330, 43.3590, 78.7750

Conversions

Conversions Part 2

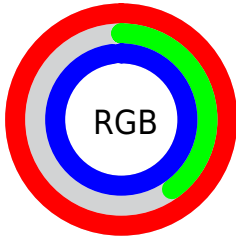
Format	Color
R _Y B	255, 102, 251
Decimal	16738043
CIE Lab	67.82, 75.54, -46.72
CIE LCh	68, 88.821, 328.267
Yxy	37.7278, 0.3229, 0.1922
Android (android.graphics.Color)	4294928123 (0xFFFF66FB)
YUV	164.7330, 42.5296, 79.1642
Hunter-Lab	61.4230, 76.7073, -48.8818

Details

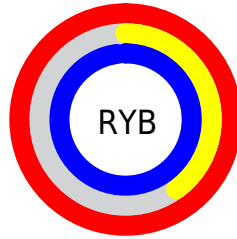
The Yxy color **37.7278, 0.3229, 0.1922** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **75.3529, 0.3022, 0.5194**, and the grayscale version is **37.2809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **16.6992, 0.3218, 0.1636** is the 20% darker color. If you saturate the color by 10%, you get **33.4196, 0.3244, 0.1773**, and if you desaturate by 10%, it is **43.5801, 0.3212, 0.2109**.

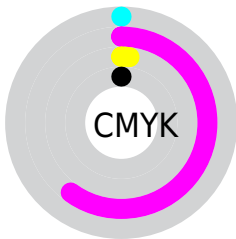
Distribution



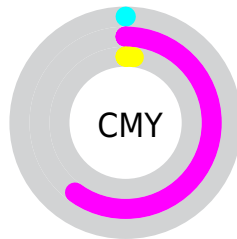
- Red (100%)
- Green (40%)
- Blue (98%)



- Red (100%)
- Yellow (40%)
- Blue (98%)



- Cyan (0%)
- Magenta (60%)
- Yellow (2%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7278, 0.3229, 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 37.7278, 0.3229, 0.1922 by changing the saturation by 10% instead.


 37.7278, 0.3229,
0.1922


 37.7278, 0.3229,
0.1922

336.4509, 0.3210,
0.2532


 25.7715, 0.3226,
0.1791


 71.6907, 0.3228,
0.2127


 16.6528, 0.3218,
0.1635


 94.4662, 0.3227,
0.2209

 9.9872, 0.3202,
0.1446


 121.6167, 0.3224,
0.2280

 5.3905, 0.3171,
0.1216

 153.5269, 0.3221,
0.2343

 2.4782, 0.3112,
0.0936

190.5810, 0.3219,
0.2398

 0.8657, 0.2994,
0.0602

233.1634, 0.3216,

 0.0000, 0.2819,

0.2448

0.0000

281.6586, 0.3213,
0.2492

■ 0.0000, 0.2144,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7278, 0.3229,
0.1922

■ 37.7278, 0.3229,
0.1922

■ 33.4196, 0.3244,
0.1773

■ 43.5801, 0.3212,
0.2109

■ 30.5040, 0.3257,
0.1667


■ 51.0991, 0.3195,
0.2324


■ 28.8082, 0.3268,
0.1604

■ 60.4011, 0.3177,
0.2560

■ 28.0482, 0.3276,
0.1579

■ 71.5905, 0.3160,
0.2805

 28.0459, 0.3276,
0.1579

 84.7638, 0.3143,
0.3051

99.9851, 0.3127,
0.3291

99.9887, 0.3127,
0.3290

Harmonies

Analogous

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



37.7278, 0.2096, 0.1585



37.7278, 0.3229, 0.1922



37.7278, 0.4607, 0.2507

Triad

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



37.7278, 0.3229, 0.1922



37.7278, 0.4777, 0.4916



37.7278, 0.1203, 0.2631

Complementary

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



37.7278, 0.3229, 0.1922



75.3529, 0.3022, 0.5194

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.



37.7278, 0.1674, 0.4103



37.7278, 0.3229, 0.1922



37.7278, 0.3724, 0.5679

Square

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



37.7278, 0.3229, 0.1922



37.7278, 0.5504, 0.4020



37.7278, 0.2601, 0.5532



37.7278, 0.1147, 0.1828

Rectangle

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



37.7278, 0.3229, 0.1922



37.7278, 0.5314, 0.2979



37.7278, 0.2601, 0.5532



37.7278, 0.1307, 0.3053

Sweetspot

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



37.7295, 0.3229, 0.1922



74.0535, 0.3156, 0.2853



19.7143, 0.1969, 0.1358



15.0861, 0.3161, 0.2781



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.



37.7295, 0.3229, 0.1922



32.7342, 0.3247, 0.1748



33.8994, 0.4062, 0.2559



18.2918, 0.3142, 0.3062



14.6660, 0.3275, 0.1578



1.4305, 0.3267, 0.1573

Inverse Universe

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



37.7295, 0.3229, 0.1922



32.7342, 0.3247, 0.1748



77.6498, 0.2704, 0.4235



18.2918, 0.3142, 0.3062



14.6660, 0.3275, 0.1578



1.4305, 0.3267, 0.1573

Previews

White Background



This preview shows how the Yxy color 37.7278, 0.3229, 0.1922 looks on a white background.

Color Contrast Check

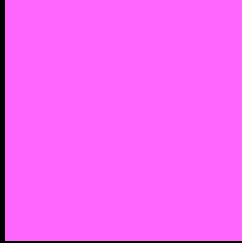
Large Text (above 18pt) WCAG AA × Fail

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 37.7278, 0.3229, 0.1922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

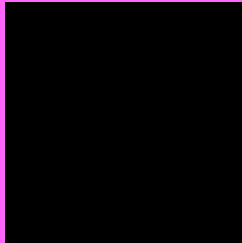
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7278, 0.3229, 0.1922

Background



This preview shows how black text looks on a background with the Yxy color 37.7278, 0.3229, 0.1922.



This preview shows how white text looks on a background with the Yxy color 37.7278, 0.3229, 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



Original Color

37.7278, 0.3229, 0.1922

Protanopia

38.1602, 0.2262, 0.2140

Deuteranopia

38.0527, 0.2362, 0.2297



Tritanopia

37.3328, 0.4243, 0.3184

Trichromacy



Original Color

37.7278, 0.3229, 0.1922



Protanomaly

35.3195, 0.2525, 0.1977



Deuteranomaly

35.2260, 0.2613, 0.2064



Tritanomaly

36.8263, 0.3859, 0.2649

Monochromacy



Original Color

37.7278, 0.3229, 0.1922



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.3373, 0.3179, 0.2617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7278, 0.3229, 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, 102, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 251)  
}
```

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, 102, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 251) }
```

Border

The CSS property to change the border of an element to Yxy 37.7278, 0.3229, 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, 102, 251) }
```

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

```
.border{ border-color:rgb(255, 102, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7278, 0.3229, 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, 102, 251) }
```

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

```
.background{ background-color: rgb(255,  
102, 251) }
```

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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