

Converting Colors

$Yxy(39.9039, 0.3607, 0.2261)$

Have a look what the booklet for
Yxy(39.9039, 0.3607, 0.2261)
contains.

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Color

Yxy(38.0688, 0.3519, 0.2230)

Conversions

Conversions Part 1

Format	Color
Hex	FF70DD
RGB	255, 112, 221
RGB Percent	100%, 44%, 87%
CMY	0.0001, 0.5606, 0.1334
CMYK	0.00, 0.56, 0.13, 0.00
HSL	314°, 100%, 72%
HSV	314°, 56%, 100%
XYZ	60.0736, 38.0688, 72.5697
YIQ	167.1830, 50.2390, 64.2150

Conversions

Conversions Part 2

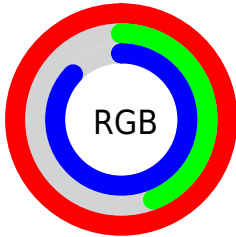
Format	Color
RYB	255, 112, 221
Decimal	16740573
CIELab	68.07, 66.72, -29.75
CIELCh	68, 73.050, 335.967
Yxy	38.0688, 0.3519, 0.2230
Android (android.graphics.Color)	4294930653 (0xFFFF70DD)
YUV	167.1830, 26.5318, 77.0155
Hunter-Lab	61.6999, 65.8201, -26.5453

Details

The Yxy color **38.0688, 0.3519, 0.2230** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.0238, 0.2900, 0.4690**, and the grayscale version is **38.5929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8559, 0.3167, 0.2450**, and **16.8113, 0.3596, 0.1975** is the 20% darker color. If you saturate the color by 10%, you get **32.8986, 0.3614, 0.2091**, and if you desaturate by 10%, it is **44.8470, 0.3430, 0.2399**.

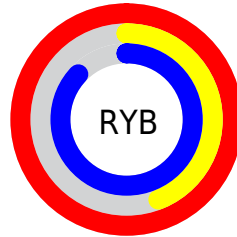
Distribution



Red (100%)

Green (44%)

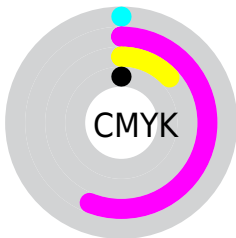
Blue (87%)



Red (100%)

Yellow (44%)

Blue (87%)

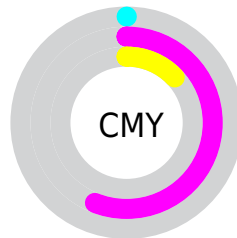


Cyan (0%)

Magenta (56%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0688, 0.3519, 0.2230 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 38.0688, 0.3519, 0.2230 by changing the saturation by 10% instead.


 38.0688, 0.3519,
0.2230


 38.0688, 0.3519,
0.2230


337.9150, 0.3341,
0.2723


 26.0361, 0.3558,
0.2119


 72.2136, 0.3458,
0.2400

 16.8506, 0.3605,
0.1982


 95.0944, 0.3435,
0.2467

 10.1281, 0.3663,
0.1811


 122.3601, 0.3414,
0.2524

 5.4839, 0.3735,
0.1593

154.3951, 0.3396,
0.2574

 2.5339, 0.3824,
0.1308

191.5836, 0.3380,
0.2618

 0.8936, 0.3930,
0.0932

234.3102, 0.3365,

 0.0000, 0.4229,

0.2657

0.0000

282.9592, 0.3353,
0.2691

■ 0.0000, 0.3678,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.0688, 0.3519,
0.2230

■ 38.0688, 0.3519,
0.2230

■ 32.8986, 0.3614,
0.2091

■ 44.8470, 0.3430,
0.2399

■ 29.1924, 0.3711,
0.1992

■ 53.3500, 0.3348,
0.2587

■ 26.7901, 0.3807,
0.1939

■ 63.6901, 0.3276,
0.2784

■ 25.4905, 0.3900,
0.1935

■ 75.9686, 0.3212,
0.2983

■ 25.1637, 0.3936,
0.1942

■ 90.2791, 0.3157,
0.3177

99.9940, 0.3127,
0.3290

Harmonies

Analogous

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



38.0688, 0.2477, 0.1863



38.0688, 0.3519, 0.2230



38.0688, 0.4605, 0.2800

Triad

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



38.0688, 0.3519, 0.2230



38.0688, 0.4400, 0.4933



38.0688, 0.1418, 0.2546

Complementary

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



38.0688, 0.3519, 0.2230



77.0238, 0.2900, 0.4690

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.



38.0688, 0.1763, 0.3630



38.0688, 0.3519, 0.2230



38.0688, 0.3469, 0.5327

Square

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



38.0688, 0.3519, 0.2230



38.0688, 0.5070, 0.4210



38.0688, 0.2503, 0.4848



38.0688, 0.1434, 0.1951

Rectangle

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



38.0688, 0.3519, 0.2230



38.0688, 0.5083, 0.3245



38.0688, 0.2503, 0.4848



38.0688, 0.1490, 0.2855

Sweetspot

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



38.0706, 0.3519, 0.2230



74.7458, 0.3217, 0.2964



24.8709, 0.2253, 0.1574



15.4444, 0.3230, 0.2924



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.



38.0706, 0.3519, 0.2230



32.4976, 0.3623, 0.2080



35.0586, 0.4360, 0.2909



18.2221, 0.3175, 0.3111



13.1767, 0.3922, 0.1934



1.2999, 0.3823, 0.1880

Inverse Universe

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



38.0706, 0.3519, 0.2230



32.4976, 0.3623, 0.2080



79.9495, 0.2580, 0.3754



18.2221, 0.3175, 0.3111



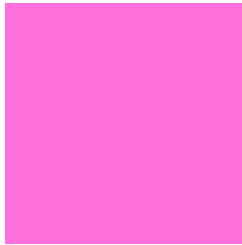
13.1767, 0.3922, 0.1934



1.2999, 0.3823, 0.1880

Previews

White Background



This preview shows how the Yxy color 38.0688, 0.3519, 0.2230 looks on a white background.

Color Contrast Check

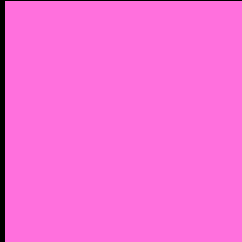
Large Text (above 18pt) WCAG AA × Fail

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 38.0688, 0.3519, 0.2230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

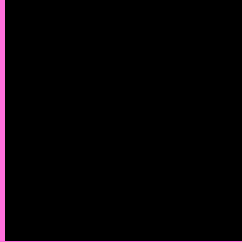
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0688, 0.3519, 0.2230

Background



This preview shows how black text looks on a background with the Yxy color 38.0688, 0.3519, 0.2230.



This preview shows how white text looks on a background with the Yxy color 38.0688, 0.3519, 0.2230.

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

38.0688, 0.3519, 0.2230

Protanopia

38.4009, 0.2279, 0.2144

Deuteranopia

38.2676, 0.2690, 0.2626



Tritanopia

37.9298, 0.4308, 0.3187

Trichromacy



Original Color

38.0688, 0.3519, 0.2230



Protanomaly

35.7647, 0.2614, 0.2111



Deuteranomaly

36.2418, 0.2953, 0.2413



Tritanomaly

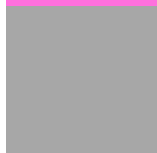
37.6416, 0.4022, 0.2809

Monochromacy



Original Color

38.0688, 0.3519, 0.2230



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.5974, 0.3270, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0688, 0.3519, 0.2230 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, 112, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 221)  
}
```

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, 112, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 221) }
```

Border

The CSS property to change the border of an element to Yxy 38.0688, 0.3519, 0.2230 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, 112, 221) }
```

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

```
.border{ border-color:rgb(255, 112, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0688, 0.3519, 0.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 221) }
```

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

```
.background{ background-color: rgb(255,  
112, 221) }
```

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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