

Converting Colors

$Y_{xy}(78.6109, 0.4730, 0.2691)$

Have a look what the booklet for
Yxy(78.6109, 0.4730, 0.2691)
contains.

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Color

Yxy(38.4619, 0.3527, 0.2255)

Conversions

Conversions Part 1

Format	Color
Hex	FF72DC
RGB	255, 114, 220
RGB Percent	100%, 45%, 86%
CMY	0.0002, 0.5527, 0.1374
CMYK	0.00, 0.55, 0.14, 0.00
HSL	315°, 100%, 72%
HSV	315°, 55%, 100%
XYZ	60.1575, 38.4619, 71.9434
YIQ	168.2430, 50.0100, 62.8580

Conversions

Conversions Part 2

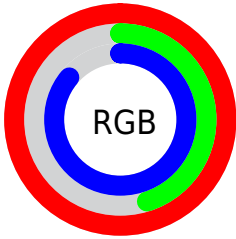
Format	Color
R _Y B	255, 114, 220
Decimal	16741084
CIE _{Lab}	68.36, 65.67, -28.75
CIE _{LCh}	68, 71.691, 336.358
Y _{xy}	38.4619, 0.3527, 0.2255
Android (android.graphics.Color)	4294931164 (0xFFFF72DC)
YUV	168.2430, 25.5162, 76.0859
Hunter-Lab	62.0177, 64.6151, -25.3668

Details

The Yxy color **38.4619, 0.3527, 0.2255** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.2379, 0.2896, 0.4648**, and the grayscale version is **39.1449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **17.0511, 0.3608, 0.2006** is the 20% darker color. If you saturate the color by 10%, you get **33.1592, 0.3626, 0.2115**, and if you desaturate by 10%, it is **45.3835, 0.3434, 0.2424**.

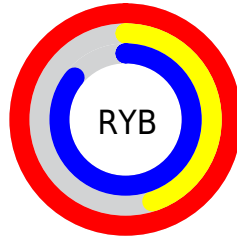
Distribution



Red (100%)

Green (45%)

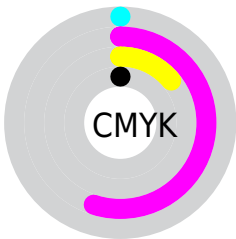
Blue (86%)



Red (100%)

Yellow (45%)

Blue (86%)

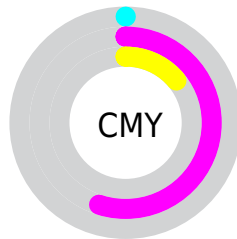


Cyan (0%)

Magenta (55%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4619, 0.3527, 0.2255 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 38.4619, 0.3527, 0.2255 by changing the saturation by 10% instead.


 38.4619, 0.3527,
0.2255


 38.4619, 0.3527,
0.2255


339.5973, 0.3344,
0.2737

 26.3414, 0.3567,
0.2146


 72.8156, 0.3464,
0.2422

 17.0792, 0.3617,
0.2012


 95.8175, 0.3440,
0.2487

 10.2910, 0.3677,
0.1844


 123.2153, 0.3419,
0.2543

 5.5923, 0.3753,
0.1628

155.3935, 0.3400,
0.2592

 2.5988, 0.3849,
0.1347

192.7364, 0.3384,
0.2635

 0.9261, 0.3968,
0.0972

235.6284, 0.3369,

 0.0000, 0.4309,

0.2673

0.0000

284.4539, 0.3356,
0.2706

■ 0.0000, 0.3841,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.4619, 0.3527,
0.2255

■ 38.4619, 0.3527,
0.2255

■ 33.1592, 0.3626,
0.2115

■ 45.3835, 0.3434,
0.2424

■ 29.3330, 0.3728,
0.2014

■ 54.0398, 0.3350,
0.2611

■ 26.8254, 0.3830,
0.1959

■ 64.5422, 0.3275,
0.2806

■ 25.4393, 0.3928,
0.1953

■ 76.9913, 0.3210,
0.3002

■ 25.0403, 0.3974,
0.1963

■ 91.4803, 0.3153,
0.3193

99.9897, 0.3127,
0.3290

Harmonies

Analogous

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



38.4619, 0.2502, 0.1889



38.4619, 0.3527, 0.2255



38.4619, 0.4585, 0.2820

Triad

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



38.4619, 0.3527, 0.2255



38.4619, 0.4373, 0.4916



38.4619, 0.1445, 0.2554

Complementary

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



38.4619, 0.3527, 0.2255



77.2379, 0.2896, 0.4648

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.



38.4619, 0.1783, 0.3609



38.4619, 0.3527, 0.2255



38.4619, 0.3457, 0.5281

Square

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



38.4619, 0.3527, 0.2255



38.4619, 0.5031, 0.4213



38.4619, 0.2508, 0.4796



38.4619, 0.1464, 0.1971

Rectangle

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



38.4619, 0.3527, 0.2255



38.4619, 0.5048, 0.3260



38.4619, 0.2508, 0.4796



38.4619, 0.1515, 0.2856

Sweetspot

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



38.4637, 0.3527, 0.2255



74.7183, 0.3220, 0.2968



25.4616, 0.2268, 0.1600



15.4379, 0.3233, 0.2929



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.



38.4637, 0.3527, 0.2255



32.8432, 0.3633, 0.2106



35.5528, 0.4333, 0.2913



18.2188, 0.3176, 0.3113



13.1155, 0.3959, 0.1954



1.2944, 0.3854, 0.1897

Inverse Universe

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



38.4637, 0.3527, 0.2255



32.8432, 0.3633, 0.2106



80.0963, 0.2585, 0.3746



18.2188, 0.3176, 0.3113



13.1155, 0.3959, 0.1954



1.2944, 0.3854, 0.1897

Previews

White Background



This preview shows how the Yxy color 38.4619, 0.3527, 0.2255 looks on a white background.

Color Contrast Check

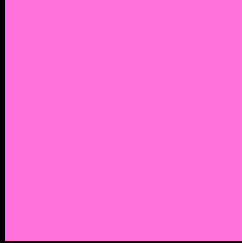
Large Text (above 18pt) WCAG AA × Fail

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 38.4619, 0.3527, 0.2255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

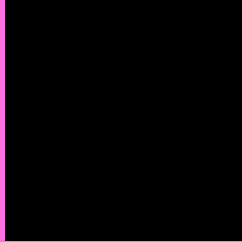
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4619, 0.3527, 0.2255

Background



This preview shows how black text looks on a background with the Yxy color 38.4619, 0.3527, 0.2255.

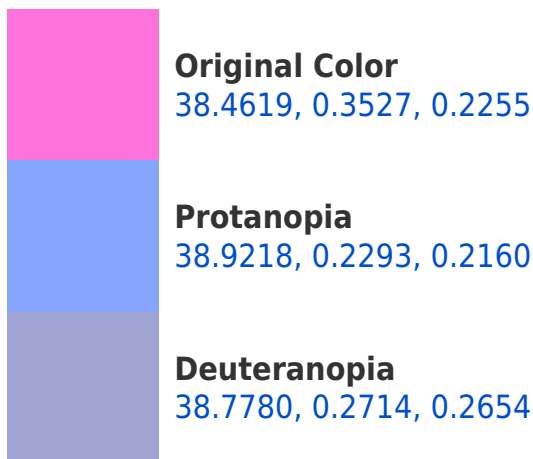


This preview shows how white text looks on a background with the Yxy color 38.4619, 0.3527, 0.2255.

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

38.5022, 0.4287, 0.3197

Trichromacy



Original Color

38.4619, 0.3527, 0.2255



Protanomaly

36.5523, 0.2639, 0.2148



Deuteranomaly

37.0662, 0.2980, 0.2452



Tritanomaly

38.1480, 0.4016, 0.2829

Monochromacy



Original Color

38.4619, 0.3527, 0.2255



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.0470, 0.3279, 0.2800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4619, 0.3527, 0.2255 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 114, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 114, 220) }
```

Border

The CSS property to change the border of an element to Yxy 38.4619, 0.3527, 0.2255 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, 220) }
```

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

```
.border{ border-color:rgb(255, 114, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 114, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 114, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 114,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4619, 0.3527, 0.2255 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, 220) }
```

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

```
.background{ background-color: rgb(255,  
114, 220) }
```

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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