

Converting Colors

$Y_{xy}(42.3647, 0.3402, 0.2276)$

Have a look what the booklet for
Yxy(42.3647, 0.3402, 0.2276)
contains.

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Color

Yxy(42.4679, 0.3402, 0.2279)

Conversions

Conversions Part 1

Format	Color
Hex	FF80E7
RGB	255, 128, 231
RGB Percent	100%, 50%, 91%
CMY	0.0000, 0.4981, 0.0940
CMYK	0.00, 0.50, 0.09, 0.00
HSL	311°, 100%, 75%
HSV	311°, 50%, 100%
XYZ	63.3944, 42.4679, 80.4822
YIQ	177.7150, 42.6290, 58.9570

Conversions

Conversions Part 2

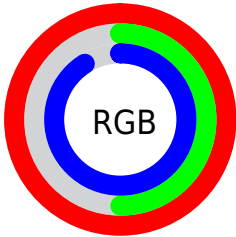
Format	Color
R _Y B	255, 128, 231
Decimal	16744679
CIE Lab	71.19, 61.03, -30.50
CIE LCh	71, 68.227, 333.445
Yxy	42.4679, 0.3402, 0.2279
Android (android.graphics.Color)	4294934759 (0xFFFF80E7)
YUV	177.7150, 26.2695, 67.7789
Hunter-Lab	65.1674, 59.6006, -27.6064

Details

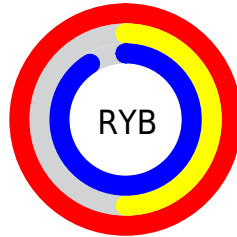
The Yxy color **42.4679, 0.3402, 0.2279** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.3728, 0.2945, 0.4587**, and the grayscale version is **44.1989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1779, 0.3159, 0.2604**, and **19.4656, 0.3459, 0.2052** is the 20% darker color. If you saturate the color by 10%, you get **36.3605, 0.3474, 0.2112**, and if you desaturate by 10%, it is **50.2468, 0.3334, 0.2470**.

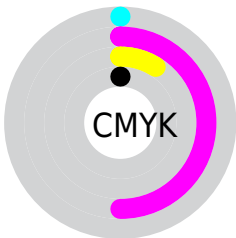
Distribution



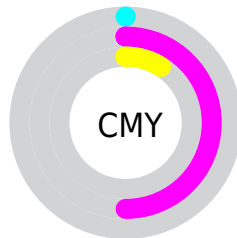
- Red (100%)
- Green (50%)
- Blue (91%)



- Red (100%)
- Yellow (50%)
- Blue (91%)



- Cyan (0%)
- Magenta (50%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4679, 0.3402, 0.2279 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 42.4679, 0.3402, 0.2279 by changing the saturation by 10% instead.


 42.4679, 0.3402,
0.2279


 42.4679, 0.3402,
0.2279


356.4189, 0.3283,
0.2743


 29.4678, 0.3426,
0.2175


 78.9073, 0.3363,
0.2439

 19.4350, 0.3455,
0.2048


 103.1154, 0.3347,
0.2501

 11.9850, 0.3489,
0.1891


 131.8283, 0.3333,
0.2555

 6.7335, 0.3529,
0.1690

165.4305, 0.3321,
0.2602

 3.2960, 0.3574,
0.1428

204.3062, 0.3310,
0.2644

 1.2881, 0.3618,
0.1082

248.8399, 0.3300,

 0.1320, 0.3776,

0.2681

0.0266

299.4160, 0.3291,
0.2713

0.0000, 0.3438,
0.0000

0.0000, 0.0000,
0.0000

42.4679, 0.3402,
0.2279

42.4679, 0.3402,
0.2279

36.3605, 0.3474,
0.2112

50.2468, 0.3334,
0.2470

31.8073, 0.3548,
0.1980

59.8223, 0.3272,
0.2675

28.6588, 0.3623,
0.1891

71.2951, 0.3217,
0.2885

26.7407, 0.3695,
0.1848

84.7617, 0.3168,
0.3093

■ 25.7743, 0.3764,
0.1848

100.0000, 0.3127,
0.3290

■ 25.7595, 0.3765,
0.1848

Harmonies

Analogous

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



42.4679, 0.2472, 0.1954



42.4679, 0.3402, 0.2279



42.4679, 0.4390, 0.2802

Triad

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



42.4679, 0.3402, 0.2279



42.4679, 0.4384, 0.4767



42.4679, 0.1566, 0.2697

Complementary

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



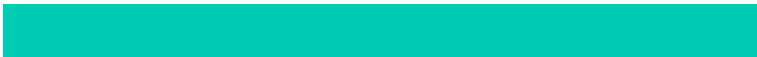
42.4679, 0.3402, 0.2279



78.3728, 0.2945, 0.4587

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.



42.4679, 0.1931, 0.3701



42.4679, 0.3402, 0.2279



42.4679, 0.3546, 0.5118

Square

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



42.4679, 0.3402, 0.2279



42.4679, 0.4944, 0.4116



42.4679, 0.2647, 0.4739



42.4679, 0.1548, 0.2099

Rectangle

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



42.4679, 0.3402, 0.2279



42.4679, 0.4855, 0.3218



42.4679, 0.2647, 0.4739



42.4679, 0.1647, 0.2992

Sweetspot

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



42.4644, 0.3402, 0.2279



77.5208, 0.3193, 0.2986



29.2578, 0.2323, 0.1762



15.9966, 0.3203, 0.2942



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.



42.4644, 0.3402, 0.2279



36.2610, 0.3475, 0.2109



39.5276, 0.4079, 0.2877



18.2381, 0.3167, 0.3099



13.4810, 0.3754, 0.1842



1.3271, 0.3680, 0.1801

Inverse Universe

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



42.4644, 0.3402, 0.2279



36.2610, 0.3475, 0.2109



81.0024, 0.2650, 0.3773



18.2381, 0.3167, 0.3099



13.4810, 0.3754, 0.1842



1.3271, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 42.4679, 0.3402, 0.2279 looks on a white background.

Color Contrast Check

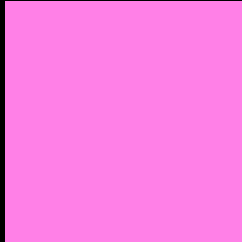
Large Text (above 18pt) WCAG AA × Fail

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 42.4679, 0.3402, 0.2279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

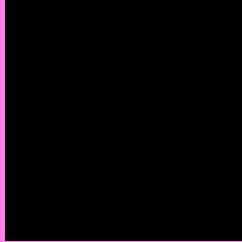
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4679, 0.3402, 0.2279

Background



This preview shows how black text looks on a background with the Yxy color 42.4679, 0.3402, 0.2279.

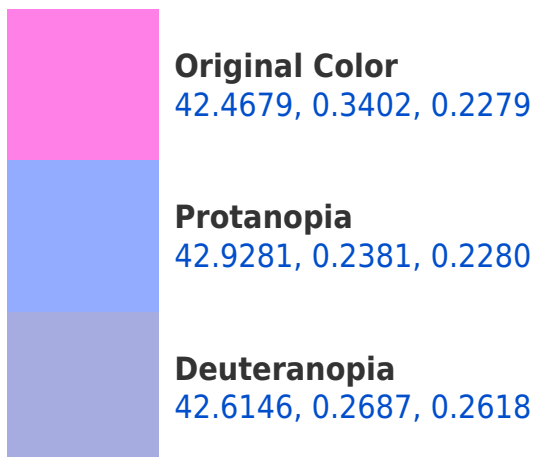


This preview shows how white text looks on a background with the Yxy color 42.4679, 0.3402, 0.2279.

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

42.4253, 0.4076, 0.3174

Trichromacy



Original Color

42.4679, 0.3402, 0.2279



Protanomaly

40.8699, 0.2678, 0.2244



Deuteranomaly

40.9945, 0.2911, 0.2442



Tritanomaly

42.2081, 0.3830, 0.2826

Monochromacy



Original Color

42.4679, 0.3402, 0.2279



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

42.2946, 0.3232, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4679, 0.3402, 0.2279 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, 128, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 231)  
}
```

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, 128, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 231) }
```

Border

The CSS property to change the border of an element to Yxy 42.4679, 0.3402, 0.2279 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, 128, 231) }
```

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

```
.border{ border-color:rgb(255, 128, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4679, 0.3402, 0.2279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 231) }
```

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

```
.background{ background-color: rgb(255,  
128, 231) }
```

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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