

Converting Colors

$Y_{xy}(100.0000, 0.4857, 0.2753)$

Have a look what the booklet for
Yxy(100.0000, 0.4857, 0.2753)
contains.

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Color

Yxy(41.5585, 0.3386, 0.2228)

Conversions

Conversions Part 1

Format	Color
Hex	FF7CE9
RGB	255, 124, 233
RGB Percent	100%, 49%, 91%
CMY	0.0000, 0.5137, 0.0861
CMYK	0.00, 0.51, 0.09, 0.00
HSL	310°, 100%, 74%
HSV	310°, 51%, 100%
XYZ	63.1585, 41.5585, 81.8113
YIQ	175.5950, 43.0870, 61.6710

Conversions

Conversions Part 2

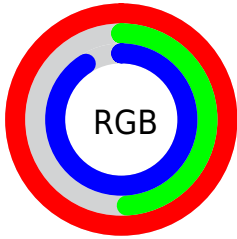
Format	Color
R _Y B	255, 124, 233
Decimal	16743657
CIE _{Lab}	70.57, 63.19, -32.57
CIE _{LCh}	71, 71.090, 332.730
Yxy	41.5585, 0.3386, 0.2228
Android (android.graphics.Color)	4294933737 (0xFFFF7CE9)
YUV	175.5950, 28.3007, 69.6382
Hunter-Lab	64.4659, 62.0646, -30.1167

Details

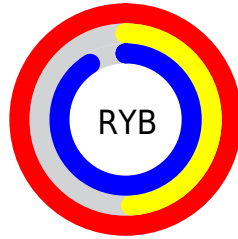
The Yxy color **41.5585, 0.3386, 0.2228** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.8768, 0.2954, 0.4670**, and the grayscale version is **43.0294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **18.9244, 0.3437, 0.1989** is the 20% darker color. If you saturate the color by 10%, you get **35.7329, 0.3451, 0.2063**, and if you desaturate by 10%, it is **49.0459, 0.3325, 0.2419**.

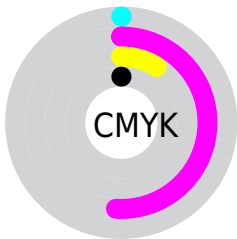
Distribution



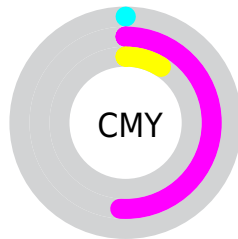
- Red (100%)
- Green (49%)
- Blue (91%)



- Red (100%)
- Yellow (49%)
- Blue (91%)



- Cyan (0%)
- Magenta (51%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5585, 0.3386, 0.2228 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 41.5585, 0.3386, 0.2228 by changing the saturation by 10% instead.


 41.5585, 0.3386,
0.2228


 41.5585, 0.3386,
0.2228


352.6495, 0.3277,
0.2714


 28.7557, 0.3408,
0.2120


 77.5310, 0.3351,
0.2395

 18.8961, 0.3433,
0.1988


 101.4695, 0.3336,
0.2460

 11.5952, 0.3461,
0.1824

 129.8888, 0.3323,
0.2517

 6.4687, 0.3493,
0.1617

163.1731, 0.3312,
0.2566

 3.1321, 0.3526,
0.1349

201.7070, 0.3302,
0.2610

 1.2011, 0.3549,
0.0999

245.8747, 0.3293,

 0.0626, 0.3689,

0.2649

296.0607, 0.3285,
0.2683

0.0125

0.0000, 0.3233,
0.0000

0.0000, 0.0000,
0.0000

41.5585, 0.3386,
0.2228

41.5585, 0.3386,
0.2228

35.7329, 0.3451,
0.2063

49.0459, 0.3325,
0.2419

31.4331, 0.3516,
0.1934

58.3057, 0.3268,
0.2627

28.5114, 0.3582,
0.1849

69.4455, 0.3217,
0.2841

26.7880, 0.3644,
0.1811

82.5629, 0.3172,
0.3055

 26.0254, 0.3695,
0.1809

 97.7486, 0.3132,
0.3262

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



41.5585, 0.2421, 0.1898



41.5585, 0.3386, 0.2228



41.5585, 0.4429, 0.2763

Triad

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



41.5585, 0.3386, 0.2228



41.5585, 0.4443, 0.4804



41.5585, 0.1510, 0.2682

Complementary

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



41.5585, 0.3386, 0.2228



77.8768, 0.2954, 0.4670

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.



41.5585, 0.1890, 0.3746



41.5585, 0.3386, 0.2228



41.5585, 0.3572, 0.5207

Square

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



41.5585, 0.3386, 0.2228



41.5585, 0.5027, 0.4114



41.5585, 0.2638, 0.4843



41.5585, 0.1486, 0.2057

Rectangle

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



41.5585, 0.3386, 0.2228



41.5585, 0.4925, 0.3189



41.5585, 0.2638, 0.4843



41.5585, 0.1594, 0.2994

Sweetspot

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



41.5604, 0.3386, 0.2228



77.5708, 0.3187, 0.2978



27.7314, 0.2278, 0.1703



16.0087, 0.3197, 0.2933



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.



41.5604, 0.3386, 0.2228



35.4201, 0.3455, 0.2054



38.4898, 0.4099, 0.2843



18.2450, 0.3164, 0.3094



13.6186, 0.3686, 0.1804



1.3393, 0.3622, 0.1769

Inverse Universe

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



41.5604, 0.3386, 0.2228



35.4201, 0.3455, 0.2054



80.5225, 0.2650, 0.3819



18.2450, 0.3164, 0.3094



13.6186, 0.3686, 0.1804



1.3393, 0.3622, 0.1769

Previews

White Background



This preview shows how the Yxy color 41.5585, 0.3386, 0.2228 looks on a white background.

Color Contrast Check

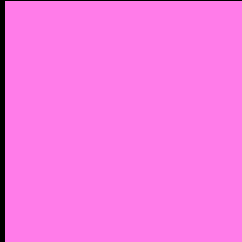
Large Text (above 18pt) WCAG AA × Fail

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 41.5585, 0.3386, 0.2228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

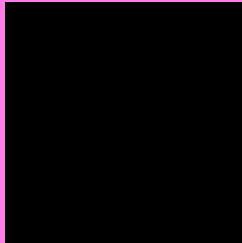
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5585, 0.3386, 0.2228

Background



This preview shows how black text looks on a background with the Yxy color 41.5585, 0.3386, 0.2228.

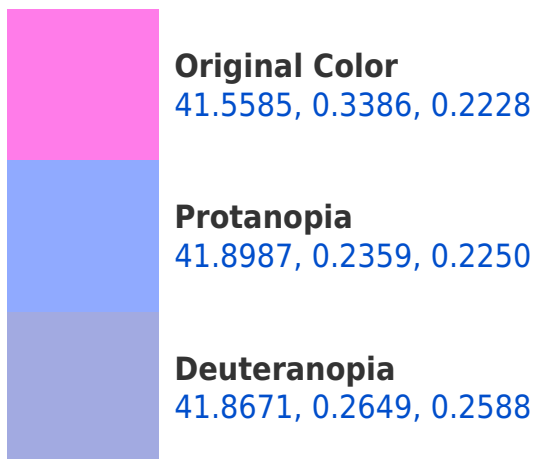


This preview shows how white text looks on a background with the Yxy color 41.5585, 0.3386, 0.2228.

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

41.5377, 0.4107, 0.3184

Trichromacy



Original Color

41.5585, 0.3386, 0.2228



Protanomaly

39.6882, 0.2652, 0.2196



Deuteranomaly

40.1197, 0.2886, 0.2404



Tritanomaly

41.1255, 0.3840, 0.2804

Monochromacy



Original Color

41.5585, 0.3386, 0.2228



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.1243, 0.3225, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5585, 0.3386, 0.2228 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, 124, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 233)  
}
```

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, 124, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 233) }
```

Border

The CSS property to change the border of an element to Yxy 41.5585, 0.3386, 0.2228 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, 124, 233) }
```

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

```
.border{ border-color:rgb(255, 124, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 124, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5585, 0.3386, 0.2228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 233) }
```

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

```
.background{ background-color: rgb(255,  
124, 233) }
```

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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