

Converting Colors

$Y_{xy}(41.7728, 0.3504, 0.2364)$

Have a look what the booklet for
Yxy(41.7728, 0.3504, 0.2364)
contains.

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Color

Yxy(41.6592, 0.3501, 0.2357)

Conversions

Conversions Part 1

Format	Color
Hex	FF7FDD
RGB	255, 127, 221
RGB Percent	100%, 50%, 87%
CMY	0.0001, 0.5019, 0.1332
CMYK	0.00, 0.50, 0.13, 0.00
HSL	316°, 100%, 75%
HSV	316°, 50%, 100%
XYZ	61.8790, 41.6592, 73.2085
YIQ	175.9880, 46.1140, 56.3700

Conversions

Conversions Part 2

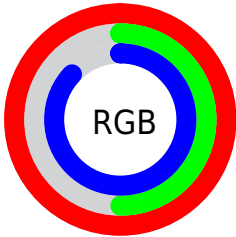
Format	Color
RYB	255, 127, 221
Decimal	16744413
CIELab	70.64, 59.92, -25.84
CIELCh	71, 65.256, 336.672
Yxy	41.6592, 0.3501, 0.2357
Android (android.graphics.Color)	4294934493 (0xFFFF7FDD)
YUV	175.9880, 22.1909, 69.2935
Hunter-Lab	64.5439, 58.1781, -22.0685

Details

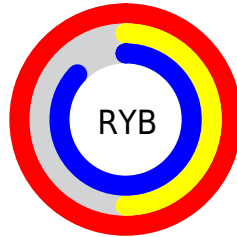
The Yxy color **41.6592, 0.3501, 0.2357** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.5942, 0.2899, 0.4473**, and the grayscale version is **43.2764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **18.9954, 0.3586, 0.2135** is the 20% darker color. If you saturate the color by 10%, you get **35.5332, 0.3604, 0.2204**, and if you desaturate by 10%, it is **49.4699, 0.3406, 0.2533**.

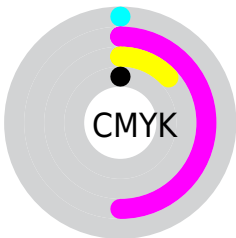
Distribution



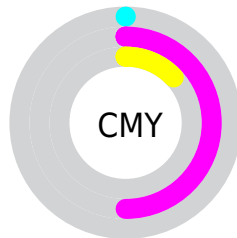
- Red (100%)
- Green (50%)
- Blue (87%)



- Red (100%)
- Yellow (50%)
- Blue (87%)



- Cyan (0%)
- Magenta (50%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6592, 0.3501, 0.2357 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 41.6592, 0.3501, 0.2357 by changing the saturation by 10% instead.


 41.6592, 0.3501,
0.2357


 41.6592, 0.3501,
0.2357


353.0682, 0.3329,
0.2791


 28.8345, 0.3539,
0.2258


 77.6836, 0.3442,
0.2507

 18.9557, 0.3586,
0.2137


 101.6521, 0.3419,
0.2566

 11.6383, 0.3644,
0.1985


 130.1040, 0.3399,
0.2616

 6.4979, 0.3718,
0.1789

163.4237, 0.3382,
0.2660

 3.1501, 0.3814,
0.1529

201.9955, 0.3366,
0.2699

 1.2106, 0.3939,
0.1176

246.2040, 0.3353,

 0.0703, 0.4324,

0.2733

0.0175

296.4334, 0.3340,
0.2764

■ 0.0000, 0.4133,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.6592, 0.3501,
0.2357

■ 41.6592, 0.3501,
0.2357

■ 35.5332, 0.3604,
0.2204

■ 49.4699, 0.3406,
0.2533

■ 30.9576, 0.3713,
0.2084

■ 59.0744, 0.3322,
0.2722

■ 27.7873, 0.3824,
0.2008

■ 70.5795, 0.3247,
0.2914

■ 25.8468, 0.3933,
0.1981

■ 84.0820, 0.3183,
0.3104

■ 24.8590, 0.4037,
0.1997

99.6720, 0.3128,
0.3287

99.9968, 0.3127,
0.3290

Harmonies

Analogous

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



41.6592, 0.2580, 0.2016



41.6592, 0.3501, 0.2357



41.6592, 0.4430, 0.2884

Triad

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



41.6592, 0.3501, 0.2357



41.6592, 0.4274, 0.4782



41.6592, 0.1595, 0.2641

Complementary

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



41.6592, 0.3501, 0.2357



78.5942, 0.2899, 0.4473

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.



41.6592, 0.1916, 0.3572



41.6592, 0.3501, 0.2357



41.6592, 0.3446, 0.5047

Square

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



41.6592, 0.3501, 0.2357



41.6592, 0.4850, 0.4174



41.6592, 0.2582, 0.4591



41.6592, 0.1610, 0.2100

Rectangle

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



41.6592, 0.3501, 0.2357



41.6592, 0.4841, 0.3295



41.6592, 0.2582, 0.4591



41.6592, 0.1663, 0.2912

Sweetspot

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



41.6612, 0.3501, 0.2357



77.3405, 0.3213, 0.3014



29.7726, 0.2378, 0.1773



15.9528, 0.3226, 0.2973



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.



41.6612, 0.3501, 0.2357



35.6387, 0.3602, 0.2206



38.9424, 0.4191, 0.2963



18.2132, 0.3179, 0.3117



13.0174, 0.4020, 0.1988



1.2855, 0.3906, 0.1926

Inverse Universe

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



41.6612, 0.3501, 0.2357



35.6387, 0.3602, 0.2206



81.3495, 0.2609, 0.3670



18.2132, 0.3179, 0.3117



13.0174, 0.4020, 0.1988



1.2855, 0.3906, 0.1926

Previews

White Background



This preview shows how the Yxy color 41.6592, 0.3501, 0.2357 looks on a white background.

Color Contrast Check

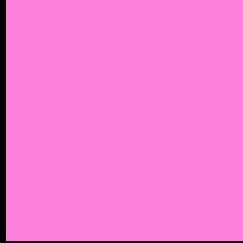
Large Text (above 18pt) WCAG AA × Fail

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 41.6592, 0.3501, 0.2357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

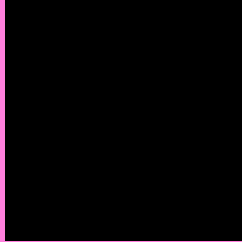
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6592, 0.3501, 0.2357

Background



This preview shows how black text looks on a background with the Yxy color 41.6592, 0.3501, 0.2357.

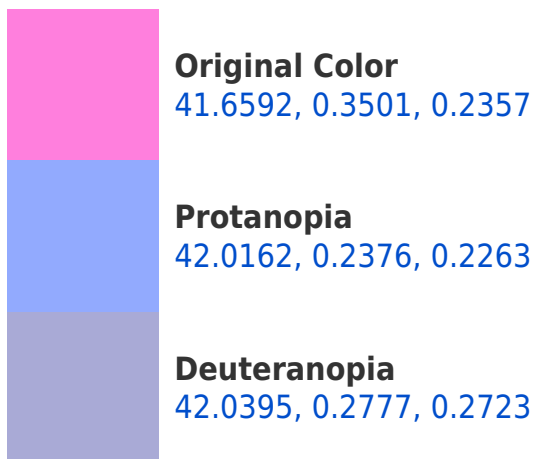


This preview shows how white text looks on a background with the Yxy color 41.6592, 0.3501, 0.2357.

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

41.6024, 0.4131, 0.3175

Trichromacy



Original Color

41.6592, 0.3501, 0.2357



Protanomaly

39.9611, 0.2703, 0.2258



Deuteranomaly

40.4003, 0.3008, 0.2537



Tritanomaly

41.6149, 0.3900, 0.2859

Monochromacy



Original Color

41.6592, 0.3501, 0.2357



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.2386, 0.3269, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6592, 0.3501, 0.2357 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, 127, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 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, 127, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 221) }
```

Border

The CSS property to change the border of an element to Yxy 41.6592, 0.3501, 0.2357 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, 127, 221) }
```

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

```
.border{ border-color:rgb(255, 127, 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, 127, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6592, 0.3501, 0.2357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 221) }
```

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

```
.background{ background-color: rgb(255,  
127, 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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