

Converting Colors

$Y_{xy}(42.4114, 0.3641, 0.2540)$

Have a look what the booklet for
Yxy(42.4114, 0.3641, 0.2540)
contains.

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Color

Yxy(42.5401, 0.3636, 0.2540)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF85CF |
| RGB | 255, 133, 207 |
| RGB Percent | 100%, 52%, 81% |
| CMY | 0.0000, 0.4785, 0.1882 |
| CMYK | 0.00, 0.48, 0.19, 0.00 |
| HSL | 324°, 100%, 76% |
| HSV | 324°, 48%, 100% |
| XYZ | 60.8960, 42.5401, 64.0446 |
| YIQ | 177.9140, 48.9580, 48.8780 |

Conversions

Conversions Part 2

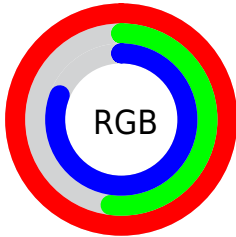
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 255, 133, 207 |
| Decimal | 16745935 |
| CIE _{Lab} | 71.24, 55.00, -17.16 |
| CIE _{LCh} | 71, 57.614, 342.676 |
| Yxy | 42.5401, 0.3636, 0.2540 |
| Android (android.graphics.Color) | 4294936015 (0xFFFF85CF) |
| YUV | 177.9140, 14.3394, 67.6044 |
| Hunter-Lab | 65.2228, 52.5187, -12.5631 |

Details

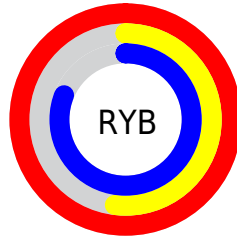
The Yxy color **42.5401, 0.3636, 0.2540** is a light color, and the websafe version is hex **FF99CC**, and the color name is **princess perfume**. A complement of this color would be **79.8411, 0.2832, 0.4205**, and the grayscale version is **44.3745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **19.4844, 0.3765, 0.2348** is the 20% darker color. If you saturate the color by 10%, you get **35.9093, 0.3793, 0.2405**, and if you desaturate by 10%, it is **50.8945, 0.3496, 0.2693**.

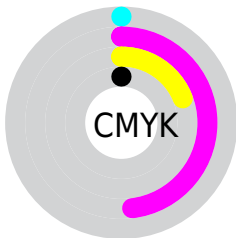
Distribution



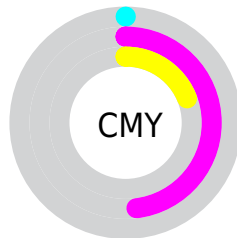
- Red (100%)
- Green (52%)
- Blue (81%)



- Red (100%)
- Yellow (52%)
- Blue (81%)



- Cyan (0%)
- Magenta (48%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (48%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5401, 0.3636, 0.2540 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 42.5401, 0.3636, 0.2540 by changing the saturation by 10% instead.

 42.5401, 0.3636,
0.2540


 42.5401, 0.3636,
0.2540


356.7170, 0.3390,
0.2896


 29.5244, 0.3695,
0.2457


 79.0164, 0.3549,
0.2665

 19.4779, 0.3768,
0.2354


 103.2458, 0.3515,
0.2713

 12.0161, 0.3863,
0.2223


 131.9819, 0.3487,
0.2754

 6.7546, 0.3991,
0.2049

165.6092, 0.3462,
0.2790

 3.3091, 0.4170,
0.1813

204.5119, 0.3441,
0.2821

 1.2952, 0.4438,
0.1475

249.0745, 0.3422,

 0.1375, 0.5164,

0.2849

0.0432

299.6814, 0.3405,
0.2874

■ 0.0000, 0.7455,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5401, 0.3636,
0.2540

■ 42.5401, 0.3636,
0.2540

■ 35.9093, 0.3793,
0.2405

■ 50.8945, 0.3496,
0.2693

■ 30.8798, 0.3964,
0.2300

■ 61.0884, 0.3376,
0.2854

■ 27.3081, 0.4145,
0.2237

■ 73.2238, 0.3272,
0.3015

■ 25.0262, 0.4329,
0.2225

■ 87.3963, 0.3185,
0.3172

■ 23.8094, 0.4506,
0.2265

100.0000, 0.3127,
0.3290

■ 23.6171, 0.4545,
0.2277

Harmonies

Analogous

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



42.5401, 0.2797, 0.2188



42.5401, 0.3636, 0.2540



42.5401, 0.4401, 0.3049

Triad

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



42.5401, 0.3636, 0.2540



42.5401, 0.4036, 0.4705



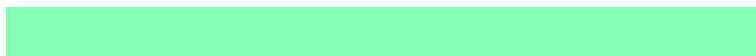
42.5401, 0.1729, 0.2604

Complementary

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



42.5401, 0.3636, 0.2540



79.8411, 0.2832, 0.4205

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.



42.5401, 0.1968, 0.3365



42.5401, 0.3636, 0.2540



42.5401, 0.3276, 0.4790

Square

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



42.5401, 0.3636, 0.2540



42.5401, 0.4595, 0.4229



42.5401, 0.2518, 0.4258



42.5401, 0.1796, 0.2174

Rectangle

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



42.5401, 0.3636, 0.2540



42.5401, 0.4698, 0.3435



42.5401, 0.2518, 0.4258



42.5401, 0.1773, 0.2823

Sweetspot

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



42.5391, 0.3636, 0.2540



78.4282, 0.3237, 0.3077



33.6680, 0.2545, 0.1896



16.1539, 0.3257, 0.3042



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.



42.5391, 0.3636, 0.2540



36.4063, 0.3779, 0.2416



40.1469, 0.4303, 0.3146



18.1723, 0.3199, 0.3147



12.3706, 0.4517, 0.2262



1.2260, 0.4326, 0.2157

Inverse Universe

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



42.5391, 0.3636, 0.2540



36.4063, 0.3779, 0.2416



82.8429, 0.2554, 0.3453



18.1723, 0.3199, 0.3147



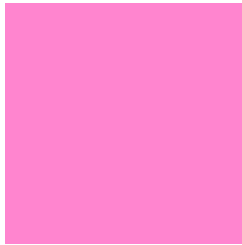
12.3706, 0.4517, 0.2262



1.2260, 0.4326, 0.2157

Previews

White Background



This preview shows how the Yxy color 42.5401, 0.3636, 0.2540 looks on a white background.

Color Contrast Check

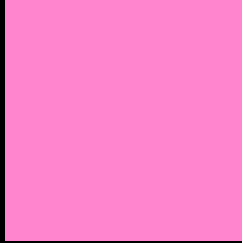
Large Text (above 18pt) WCAG AA × Fail

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 42.5401, 0.3636, 0.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

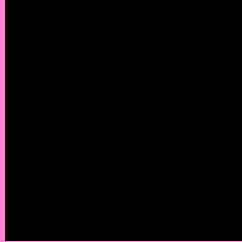
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.5401, 0.3636, 0.2540

Background



This preview shows how black text looks on a background with the Yxy color 42.5401, 0.3636, 0.2540.



This preview shows how white text looks on a background with the Yxy color 42.5401, 0.3636, 0.2540.

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

42.5401, 0.3636, 0.2540

Protanopia

43.0534, 0.2557, 0.2510

Deuteranopia

42.6698, 0.2963, 0.2891



Tritanopia

42.6036, 0.4130, 0.3186

Trichromacy



Original Color

42.5401, 0.3636, 0.2540



Protanomaly

41.2274, 0.2885, 0.2488



Deuteranomaly

41.6911, 0.3190, 0.2738



Tritanomaly

42.4687, 0.3956, 0.2944

Monochromacy



Original Color

42.5401, 0.3636, 0.2540



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

42.6366, 0.3301, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5401, 0.3636, 0.2540 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, 133, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 207)  
}
```

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, 133, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 207) }
```

Border

The CSS property to change the border of an element to Yxy 42.5401, 0.3636, 0.2540 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, 133, 207) }
```

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

```
.border{ border-color:rgb(255, 133, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 133, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5401, 0.3636, 0.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 207) }
```

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

```
.background{ background-color: rgb(255,  
133, 207) }
```

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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