

Converting Colors

$Y_{xy}(42.7753, 0.3639, 0.2553)$

Have a look what the booklet for
Yxy(42.7753, 0.3639, 0.2553)
contains.

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Color

Yxy(42.8152, 0.3634, 0.2550)

Conversions

Conversions Part 1

Format	Color
Hex	FF86CF
RGB	255, 134, 207
RGB Percent	100%, 53%, 81%
CMY	0.0001, 0.4744, 0.1883
CMYK	0.00, 0.47, 0.19, 0.00
HSL	324°, 100%, 76%
HSV	324°, 47%, 100%
XYZ	61.0159, 42.8152, 64.0717
YIQ	178.5010, 48.6830, 48.3550

Conversions

Conversions Part 2

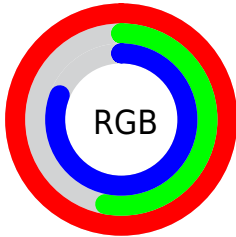
Format	Color
R_{YB}	255, 134, 207
Decimal	16746191
CIE _{Lab}	71.43, 54.47, -16.86
CIE _{LCh}	71, 57.023, 342.806
Yxy	42.8152, 0.3634, 0.2550
Android (android.graphics.Color)	4294936271 (0xFFFF86CF)
YUV	178.5010, 14.0500, 67.0896
Hunter-Lab	65.4333, 51.9410, -12.2529

Details

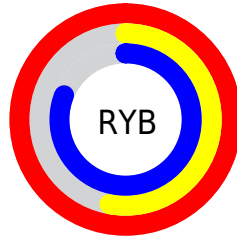
The Yxy color **42.8152, 0.3634, 0.2550** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **79.9449, 0.2831, 0.4190**, and the grayscale version is **44.7086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **19.6276, 0.3763, 0.2359** is the 20% darker color. If you saturate the color by 10%, you get **36.1175, 0.3792, 0.2415**, and if you desaturate by 10%, it is **51.2475, 0.3494, 0.2703**.

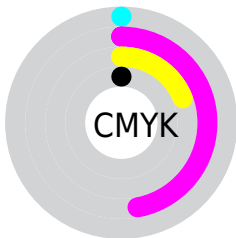
Distribution



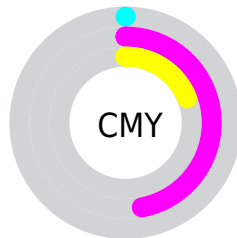
- Red (100%)
- Green (53%)
- Blue (81%)



- Red (100%)
- Yellow (53%)
- Blue (81%)



- Cyan (0%)
- Magenta (47%)
- Yellow (19%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8152, 0.3634, 0.2550 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 42.8152, 0.3634, 0.2550 by changing the saturation by 10% instead.


 42.8152, 0.3634,
0.2550

 42.8152, 0.3634,
0.2550


357.8512, 0.3389,
0.2901

 29.7401, 0.3692,
0.2468


 79.4319, 0.3547,
0.2673

 19.6414, 0.3766,
0.2366


 103.7424, 0.3514,
0.2721

 12.1347, 0.3861,
0.2237


 132.5667, 0.3485,
0.2761

 6.8355, 0.3988,
0.2066

166.2894, 0.3461,
0.2797

 3.3594, 0.4167,
0.1832

205.2948, 0.3440,
0.2828

 1.3221, 0.4435,
0.1497

249.9673, 0.3421,

 0.1582, 0.5143,

0.2855

0.0492

300.6913, 0.3404,
0.2879

■ 0.0000, 0.7464,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.8152, 0.3634,
0.2550

■ 42.8152, 0.3634,
0.2550

■ 36.1175, 0.3792,
0.2415

■ 51.2475, 0.3494,
0.2703

■ 31.0235, 0.3965,
0.2309

■ 61.5205, 0.3373,
0.2863

■ 27.3936, 0.4148,
0.2245

■ 73.7392, 0.3269,
0.3024

■ 25.0612, 0.4333,
0.2231

■ 87.9985, 0.3182,
0.3179

■ 23.8095, 0.4513,
0.2270

99.9928, 0.3127,
0.3290

■ 23.5797, 0.4559,
0.2285

Harmonies

Analogous

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



42.8152, 0.2805, 0.2200



42.8152, 0.3634, 0.2550



42.8152, 0.4388, 0.3055

Triad

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



42.8152, 0.3634, 0.2550



42.8152, 0.4025, 0.4691



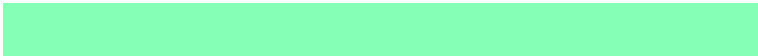
42.8152, 0.1743, 0.2611

Complementary

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



42.8152, 0.3634, 0.2550



79.9449, 0.2831, 0.4190

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.



42.8152, 0.1979, 0.3361



42.8152, 0.3634, 0.2550



42.8152, 0.3273, 0.4769

Square

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



42.8152, 0.3634, 0.2550



42.8152, 0.4578, 0.4224



42.8152, 0.2523, 0.4241



42.8152, 0.1811, 0.2185

Rectangle

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



42.8152, 0.3634, 0.2550



42.8152, 0.4680, 0.3438



42.8152, 0.2523, 0.4241



42.8152, 0.1787, 0.2827

Sweetspot

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



42.8173, 0.3634, 0.2550



78.4209, 0.3238, 0.3078



34.0278, 0.2552, 0.1909



16.1521, 0.3258, 0.3044



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.



42.8173, 0.3634, 0.2550



36.3832, 0.3785, 0.2420



40.4555, 0.4287, 0.3147



18.1712, 0.3199, 0.3148



12.3553, 0.4531, 0.2270



1.2245, 0.4338, 0.2164

Inverse Universe

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



42.8173, 0.3634, 0.2550



36.3832, 0.3785, 0.2420



82.9093, 0.2558, 0.3451



18.1712, 0.3199, 0.3148



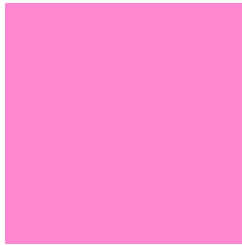
12.3553, 0.4531, 0.2270



1.2245, 0.4338, 0.2164

Previews

White Background



This preview shows how the Yxy color 42.8152, 0.3634, 0.2550 looks on a white background.

Color Contrast Check

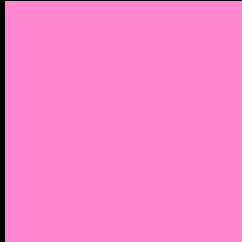
Large Text (above 18pt) WCAG AA × Fail

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 42.8152, 0.3634, 0.2550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

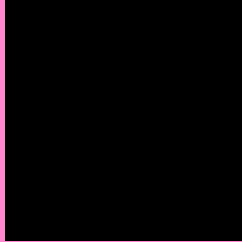
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8152, 0.3634, 0.2550

Background



This preview shows how black text looks on a background with the Yxy color 42.8152, 0.3634, 0.2550.



This preview shows how white text looks on a background with the Yxy color 42.8152, 0.3634, 0.2550.

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

42.8152, 0.3634, 0.2550

Protanopia

43.0968, 0.2569, 0.2523

Deuteranopia

43.0462, 0.2964, 0.2904



Tritanopia

42.9413, 0.4115, 0.3186

Trichromacy



Original Color

42.8152, 0.3634, 0.2550



Protanomaly

41.5155, 0.2893, 0.2510



Deuteranomaly

42.0309, 0.3189, 0.2750



Tritanomaly

42.8012, 0.3942, 0.2944

Monochromacy



Original Color

42.8152, 0.3634, 0.2550



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

43.1339, 0.3309, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8152, 0.3634, 0.2550 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, 134, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 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, 134, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 207) }
```

Border

The CSS property to change the border of an element to Yxy 42.8152, 0.3634, 0.2550 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, 134, 207) }
```

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

```
.border{ border-color:rgb(255, 134, 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, 134, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8152, 0.3634, 0.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 207) }
```

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

```
.background{ background-color: rgb(255,  
134, 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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