

Converting Colors

$Y_{xy}(42.0451, 0.3722, 0.2614)$

Have a look what the booklet for
Yxy(42.0451, 0.3722, 0.2614)
contains.

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Color

Yxy(42.1586, 0.3720, 0.2617)

Conversions

Conversions Part 1

Format	Color
Hex	FF85C7
RGB	255, 133, 199
RGB Percent	100%, 52%, 78%
CMY	0.0001, 0.4783, 0.2196
CMYK	0.00, 0.48, 0.22, 0.00
HSL	328°, 100%, 76%
HSV	328°, 48%, 100%
XYZ	59.9274, 42.1586, 59.0092
YIQ	177.0020, 51.5260, 46.3900

Conversions

Conversions Part 2

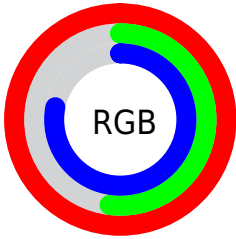
Format	Color
R_{YB}	255, 133, 199
Decimal	16745927
CIE _{Lab}	70.98, 53.83, -13.10
CIE _{LCh}	71, 55.400, 346.327
Yxy	42.1586, 0.3720, 0.2617
Android (android.graphics.Color)	4294936007 (0xFFFF85C7)
YUV	177.0020, 10.8450, 68.4042
Hunter-Lab	64.9297, 51.1212, -8.4330

Details

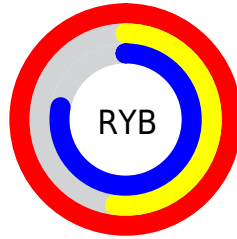
The Yxy color **42.1586, 0.3720, 0.2617** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.1635, 0.2793, 0.4100**, and the grayscale version is **43.8927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **19.2289, 0.3887, 0.2443** is the 20% darker color. If you saturate the color by 10%, you get **35.4814, 0.3908, 0.2497**, and if you desaturate by 10%, it is **50.5760, 0.3555, 0.2755**.

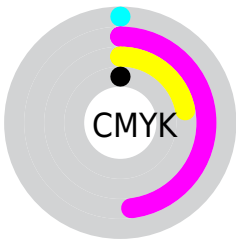
Distribution



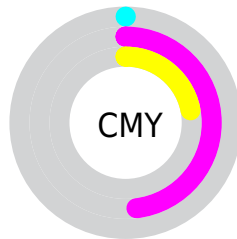
- Red (100%)
- Green (52%)
- Blue (78%)



- Red (100%)
- Yellow (52%)
- Blue (78%)



- Cyan (0%)
- Magenta (48%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (48%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1586, 0.3720, 0.2617 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 42.1586, 0.3720, 0.2617 by changing the saturation by 10% instead.


 42.1586, 0.3720,
0.2617

 42.1586, 0.3720,
0.2617


355.1400, 0.3429,
0.2940


 29.2255, 0.3791,
0.2541


 78.4396, 0.3615,
0.2731

 19.2515, 0.3881,
0.2445


 102.5563, 0.3576,
0.2775

 11.8521, 0.3999,
0.2322

 131.1696, 0.3542,
0.2813

 6.6431, 0.4160,
0.2158

164.6640, 0.3513,
0.2845

 3.2399, 0.4391,
0.1930

203.4239, 0.3488,
0.2873

 1.2582, 0.4748,
0.1596

247.8335, 0.3466,

 0.1085, 0.5767,

0.2898

0.0402

298.2774, 0.3446,
0.2920

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.1586, 0.3720,
0.2617

42.1586, 0.3720,
0.2617

35.4814, 0.3908,
0.2497

50.5760, 0.3555,
0.2755

30.4125, 0.4116,
0.2405

60.8404, 0.3413,
0.2900

26.8112, 0.4337,
0.2356

73.0575, 0.3293,
0.3045

24.5093, 0.4561,
0.2358

87.3228, 0.3193,
0.3185

■ 23.2821, 0.4778,
0.2415

99.9942, 0.3127,
0.3290

■ 23.0872, 0.4824,
0.2431

Harmonies

Analogous

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



42.1586, 0.2902, 0.2251



42.1586, 0.3720, 0.2617



42.1586, 0.4424, 0.3126

Triad

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



42.1586, 0.3720, 0.2617



42.1586, 0.3930, 0.4696



42.1586, 0.1763, 0.2562

Complementary

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



42.1586, 0.3720, 0.2617



80.1635, 0.2793, 0.4100

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.



42.1586, 0.1960, 0.3262



42.1586, 0.3720, 0.2617



42.1586, 0.3183, 0.4701

Square

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



42.1586, 0.3720, 0.2617



42.1586, 0.4502, 0.4273



42.1586, 0.2462, 0.4124



42.1586, 0.1863, 0.2180

Rectangle

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



42.1586, 0.3720, 0.2617



42.1586, 0.4672, 0.3508



42.1586, 0.2462, 0.4124



42.1586, 0.1794, 0.2761

Sweetspot

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



42.1606, 0.3720, 0.2617



78.2889, 0.3253, 0.3099



34.6801, 0.2611, 0.1920



16.1199, 0.3275, 0.3069



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.



42.1606, 0.3720, 0.2617



35.9795, 0.3892, 0.2506



39.9051, 0.4396, 0.3231



18.1515, 0.3209, 0.3162



12.0974, 0.4791, 0.2413



1.2000, 0.4560, 0.2286

Inverse Universe

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



42.1606, 0.3720, 0.2617



35.9795, 0.3892, 0.2506



83.3209, 0.2519, 0.3358



18.1515, 0.3209, 0.3162



12.0974, 0.4791, 0.2413



1.2000, 0.4560, 0.2286

Previews

White Background



This preview shows how the Yxy color 42.1586, 0.3720, 0.2617 looks on a white background.

Color Contrast Check

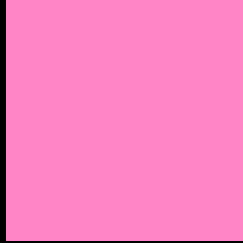
Large Text (above 18pt) WCAG AA × Fail

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 42.1586, 0.3720, 0.2617 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 42.1586, 0.3720, 0.2617

Background



This preview shows how black text looks on a background with the Yxy color 42.1586, 0.3720, 0.2617.



This preview shows how white text looks on a background with the Yxy color 42.1586, 0.3720, 0.2617.

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

42.1586, 0.3720, 0.2617

Protanopia

42.4696, 0.2631, 0.2600

Deuteranopia

42.1713, 0.3044, 0.2978



Tritanopia

41.9699, 0.4150, 0.3176

Trichromacy



Original Color

42.1586, 0.3720, 0.2617



Protanomaly

41.0137, 0.2973, 0.2587



Deuteranomaly

41.2724, 0.3282, 0.2820



Tritanomaly

42.0630, 0.3992, 0.2965

Monochromacy



Original Color

42.1586, 0.3720, 0.2617



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

41.9717, 0.3330, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1586, 0.3720, 0.2617 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 199) }
```

Border

The CSS property to change the border of an element to Yxy 42.1586, 0.3720, 0.2617 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, 199) }
```

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

```
.border{ border-color:rgb(255, 133, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1586, 0.3720, 0.2617 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, 199) }
```

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

```
.background{ background-color: rgb(255,  
133, 199) }
```

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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