

Converting Colors

$Y_{xy}(100.0000, 0.5108, 0.2966)$

Have a look what the booklet for
Yxy(100.0000, 0.5108, 0.2966)
contains.

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Color

Yxy(42.2052, 0.3710, 0.2607)

Conversions

Conversions Part 1

Format	Color
Hex	FF85C8
RGB	255, 133, 200
RGB Percent	100%, 52%, 78%
CMY	0.0000, 0.4785, 0.2157
CMYK	0.00, 0.48, 0.22, 0.00
HSL	327°, 100%, 76%
HSV	327°, 48%, 100%
XYZ	60.0619, 42.2052, 59.6248
YIQ	177.1160, 51.2050, 46.7010

Conversions

Conversions Part 2

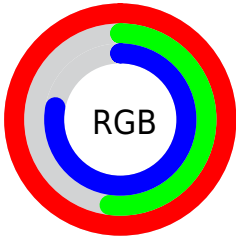
Format	Color
R _Y B	255, 133, 200
Decimal	16745928
CIE Lab	71.01, 54.01, -13.60
CIE LCh	71, 55.700, 345.862
Yxy	42.2052, 0.3710, 0.2607
Android (android.graphics.Color)	4294936008 (0xFFFF85C8)
YUV	177.1160, 11.2818, 68.3043
Hunter-Lab	64.9655, 51.3370, -8.9399

Details

The Yxy color $42.2052, 0.3710, 0.2607$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $80.1354, 0.2798, 0.4114$, and the grayscale version is $43.9441, 0.3127, 0.3290$.

A 20% lighter version of the original color is $64.8752, 0.3157, 0.2644$, and $19.2599, 0.3872, 0.2431$ is the 20% darker color. If you saturate the color by 10%, you get $35.5294, 0.3894, 0.2485$, and if you desaturate by 10%, it is $50.6073, 0.3548, 0.2747$.

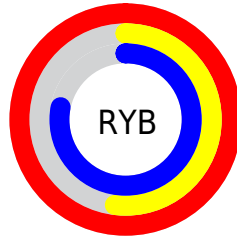
Distribution



Red (100%)

Green (52%)

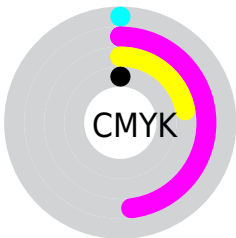
Blue (78%)



Red (100%)

Yellow (52%)

Blue (78%)

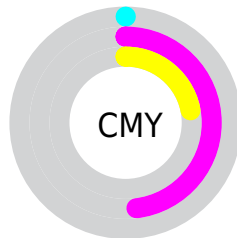


Cyan (0%)

Magenta (48%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2052, 0.3710, 0.2607 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 42.2052, 0.3710, 0.2607 by changing the saturation by 10% instead.


 42.2052, 0.3710,
0.2607

 42.2052, 0.3710,
0.2607


355.3329, 0.3424,
0.2934


 29.2620, 0.3779,
0.2530


 78.5101, 0.3607,
0.2723

 19.2791, 0.3867,
0.2433


 102.6406, 0.3569,
0.2767

 11.8721, 0.3983,
0.2309


 131.2689, 0.3536,
0.2805

 6.6567, 0.4139,
0.2143

164.7796, 0.3507,
0.2838

 3.2483, 0.4364,
0.1914

203.5569, 0.3482,
0.2867

 1.2627, 0.4710,
0.1580

247.9853, 0.3461,

 0.1121, 0.5690,

0.2892

0.0406

298.4492, 0.3441,
0.2914

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

42.2052, 0.3710,
0.2607

42.2052, 0.3710,
0.2607

35.5294, 0.3894,
0.2485

50.6073, 0.3548,
0.2747

30.4670, 0.4097,
0.2392

60.8616, 0.3409,
0.2894

26.8711, 0.4313,
0.2340

73.0672, 0.3291,
0.3041

24.5731, 0.4532,
0.2341

87.3201, 0.3193,
0.3183

■ 23.3480, 0.4744,
0.2396

100.0000, 0.3127,
0.3290

■ 23.1552, 0.4789,
0.2412

Harmonies

Analogous

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



42.2052, 0.2889, 0.2243



42.2052, 0.3710, 0.2607



42.2052, 0.4422, 0.3117

Triad

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



42.2052, 0.3710, 0.2607



42.2052, 0.3943, 0.4698



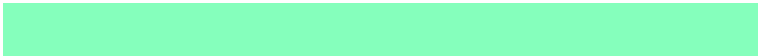
42.2052, 0.1758, 0.2566

Complementary

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



42.2052, 0.3710, 0.2607



80.1354, 0.2798, 0.4114

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.



42.2052, 0.1960, 0.3275



42.2052, 0.3710, 0.2607



42.2052, 0.3195, 0.4713

Square

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



42.2052, 0.3710, 0.2607



42.2052, 0.4514, 0.4268



42.2052, 0.2469, 0.4141



42.2052, 0.1854, 0.2179

Rectangle

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



42.2052, 0.3710, 0.2607



42.2052, 0.4676, 0.3499



42.2052, 0.2469, 0.4141



42.2052, 0.1791, 0.2769

Sweetspot

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



42.2009, 0.3710, 0.2607



78.3063, 0.3251, 0.3096



34.6683, 0.2610, 0.1919



16.1241, 0.3273, 0.3065



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.



42.2009, 0.3710, 0.2607



36.0316, 0.3877, 0.2494



39.8973, 0.4397, 0.3231



18.1541, 0.3208, 0.3160



12.1296, 0.4756, 0.2393



1.2031, 0.4530, 0.2269

Inverse Universe

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



42.2009, 0.3710, 0.2607



36.0316, 0.3877, 0.2494



83.3385, 0.2519, 0.3358



18.1541, 0.3208, 0.3160



12.1296, 0.4756, 0.2393



1.2031, 0.4530, 0.2269

Previews

White Background



This preview shows how the Yxy color 42.2052, 0.3710, 0.2607 looks on a white background.

Color Contrast Check

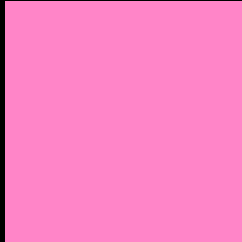
Large Text (above 18pt) WCAG AA × Fail

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 42.2052, 0.3710, 0.2607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

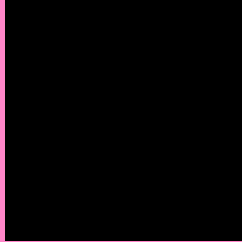
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2052, 0.3710, 0.2607

Background



This preview shows how black text looks on a background with the Yxy color 42.2052, 0.3710, 0.2607.



This preview shows how white text looks on a background with the Yxy color 42.2052, 0.3710, 0.2607.

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

42.2052, 0.3710, 0.2607

Protanopia

42.5247, 0.2625, 0.2589

Deuteranopia

42.5896, 0.3036, 0.2979



Tritanopia

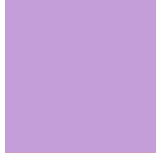
41.9699, 0.4150, 0.3176

Trichromacy



Original Color

42.2052, 0.3710, 0.2607



Protanomaly

41.0656, 0.2965, 0.2576



Deuteranomaly

41.6548, 0.3271, 0.2820



Tritanomaly

42.0630, 0.3992, 0.2965

Monochromacy



Original Color

42.2052, 0.3710, 0.2607



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 42.2052, 0.3710, 0.2607 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 200) }
```

Border

The CSS property to change the border of an element to Yxy 42.2052, 0.3710, 0.2607 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, 200) }
```

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

```
.border{ border-color:rgb(255, 133, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2052, 0.3710, 0.2607 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, 200) }
```

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

```
.background{ background-color: rgb(255,  
133, 200) }
```

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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