

Converting Colors

$Y_{xy}(100.0000, 0.4023, 0.3005)$

Have a look what the booklet for
Yxy(100.0000, 0.4023, 0.3005)
contains.

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Color

Yxy(71.9952, 0.3219, 0.2905)

Conversions

Conversions Part 1

Format	Color
Hex	FFCEF5
RGB	255, 206, 245
RGB Percent	100%, 81%, 96%
CMY	0.0002, 0.1920, 0.0393
CMYK	0.00, 0.19, 0.04, 0.00
HSL	312°, 100%, 90%
HSV	312°, 19%, 100%
XYZ	79.7771, 71.9952, 96.0597
YIQ	225.0970, 16.6850, 22.5170

Conversions

Conversions Part 2

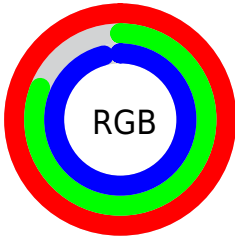
Format	Color
R_{YB}	255, 206, 245
Decimal	16764661
CIE _{Lab}	87.97, 23.52, -12.57
CIE _{LCh}	88, 26.663, 331.881
Yxy	71.9952, 0.3219, 0.2905
Android (android.graphics.Color)	4294954741 (0xFFFFCEF5)
YUV	225.0970, 9.8122, 26.2249
Hunter-Lab	84.8500, 19.3407, -7.7279

Details

The Yxy color **71.9952, 0.3219, 0.2905** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.5747, 0.3047, 0.3708**, and the grayscale version is **75.2867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.8131, 0.3237, 0.2811** is the 20% darker color. If you saturate the color by 10%, you get **60.3872, 0.3277, 0.2698**, and if you desaturate by 10%, it is **85.6095, 0.3168, 0.3109**.

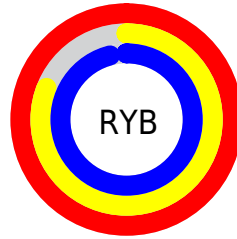
Distribution



Red (100%)

Green (81%)

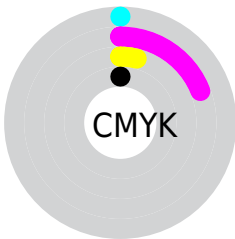
Blue (96%)



Red (100%)

Yellow (81%)

Blue (96%)

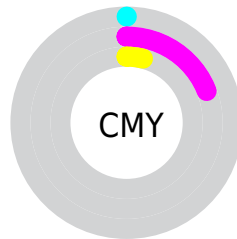


Cyan (0%)

Magenta (19%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9952, 0.3219, 0.2905 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 71.9952, 0.3219, 0.2905 by changing the saturation by 10% instead.

 71.9952, 0.3219,
0.2905

 71.9952, 0.3219,
0.2905


467.5249, 0.3179,
0.3078

 53.1548, 0.3228,
0.2867


122.0497, 0.3206,
0.2964

 37.9263, 0.3238,
0.2820


154.0326, 0.3200,
0.2987

 25.9255, 0.3250,
0.2762

191.1650, 0.3196,
0.3007

 16.7679, 0.3266,
0.2688

233.8314, 0.3192,
0.3025

 10.0692, 0.3286,
0.2590

282.4162, 0.3188,
0.3040

 5.4448, 0.3313,
0.2454

337.3038, 0.3185,

 2.5106, 0.3349,

0.3054

0.2254

398.8786, 0.3182,
0.3067

0.8819, 0.3399,
0.1933

0.0000, 0.3624,
0.0000

71.9952, 0.3219,
0.2905

71.9952, 0.3219,
0.2905

60.3872, 0.3277,
0.2698

85.6095, 0.3168,
0.3109

50.6802, 0.3343,
0.2496

99.9914, 0.3127,
0.3290

42.7734, 0.3416,
0.2307

36.5530, 0.3493,
0.2140

■ 31.8924, 0.3574,
0.2008

■ 28.6468, 0.3656,
0.1918

■ 26.6443, 0.3735,
0.1875

■ 25.6266, 0.3811,
0.1875

■ 25.5618, 0.3817,
0.1876

Harmonies

Analogous

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



71.9952, 0.2898, 0.2779



71.9952, 0.3219, 0.2905



71.9952, 0.3529, 0.3122

Triad

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



71.9952, 0.3219, 0.2905



71.9952, 0.3611, 0.3822



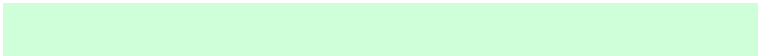
71.9952, 0.2559, 0.3145

Complementary

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



71.9952, 0.3219, 0.2905



89.5747, 0.3047, 0.3708

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.



71.9952, 0.2731, 0.3453



71.9952, 0.3219, 0.2905



71.9952, 0.3335, 0.3861

Square

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



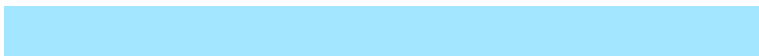
71.9952, 0.3219, 0.2905



71.9952, 0.3760, 0.3641



71.9952, 0.3012, 0.3726



71.9952, 0.2531, 0.2900

Rectangle

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



71.9952, 0.3219, 0.2905



71.9952, 0.3680, 0.3296



71.9952, 0.3012, 0.3726



71.9952, 0.2601, 0.3245

Sweetspot

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



71.9984, 0.3219, 0.2905



90.4244, 0.3153, 0.3173



65.9432, 0.2873, 0.2770



19.1413, 0.3156, 0.3160



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.



71.9984, 0.3219, 0.2905



67.3715, 0.3240, 0.2826



70.6119, 0.3396, 0.3142



18.2332, 0.3169, 0.3103



13.3842, 0.3805, 0.1870



1.3185, 0.3724, 0.1825

Inverse Universe

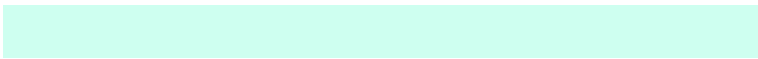
The Inverse Universe completely reimagines the original color for something new.



71.9984, 0.3219, 0.2905



67.3715, 0.3240, 0.2826



90.9244, 0.2915, 0.3443



18.2332, 0.3169, 0.3103



13.3842, 0.3805, 0.1870



1.3185, 0.3724, 0.1825

Previews

White Background



This preview shows how the Yxy color 71.9952, 0.3219, 0.2905 looks on a white background.

Color Contrast Check

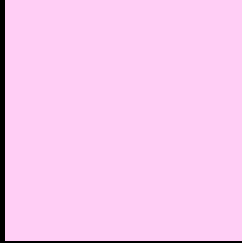
Large Text (above 18pt) WCAG AA × Fail

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 71.9952, 0.3219, 0.2905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

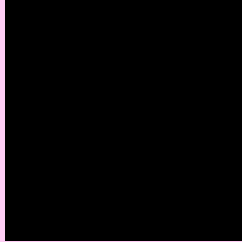
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9952, 0.3219, 0.2905

Background



This preview shows how black text looks on a background with the Yxy color 71.9952, 0.3219, 0.2905.



This preview shows how white text looks on a background with the Yxy color 71.9952, 0.3219, 0.2905.

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

71.9952, 0.3219, 0.2905

Protanopia

72.2020, 0.2885, 0.2930

Deuteranopia

72.2277, 0.3063, 0.2999



Tritanopia

71.7874, 0.3330, 0.3118

Trichromacy



Original Color

71.9952, 0.3219, 0.2905

Protanomaly

71.8183, 0.3004, 0.2918

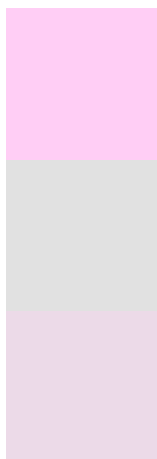
Deuteranomaly

72.1439, 0.3114, 0.2963

Tritanomaly

71.8776, 0.3288, 0.3039

Monochromacy



Original Color

71.9952, 0.3219, 0.2905

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

73.8019, 0.3163, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9952, 0.3219, 0.2905 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, 206, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 245)  
}
```

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, 206, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 245) }
```

Border

The CSS property to change the border of an element to Yxy 71.9952, 0.3219, 0.2905 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, 206, 245) }
```

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

```
.border{ border-color:rgb(255, 206, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9952, 0.3219, 0.2905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 245) }
```

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

```
.background{ background-color: rgb(255,  
206, 245) }
```

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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