

Converting Colors

$Y_{xy}(77.5282, 0.3646, 0.2913)$

Have a look what the booklet for
Yxy(77.5282, 0.3646, 0.2913)
contains.

Yxy(66.9719, 0.3271, 0.2861)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.9719, 0.3271, 0.2861)

Conversions

Conversions Part 1

Format	Color
Hex	FFC4EF
RGB	255, 196, 239
RGB Percent	100%, 77%, 94%
CMY	0.0000, 0.2314, 0.0628
CMYK	0.00, 0.23, 0.06, 0.00
HSL	316°, 100%, 88%
HSV	316°, 23%, 100%
XYZ	76.5694, 66.9719, 90.5443
YIQ	218.5430, 21.3610, 25.8810

Conversions

Conversions Part 2

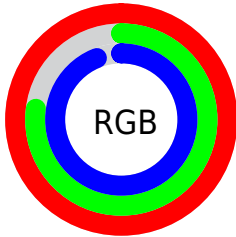
Format	Color
R_{YB}	255, 196, 239
Decimal	16762095
CIE _{Lab}	85.49, 27.78, -13.09
CIE _{LCh}	85, 30.713, 334.768
Yxy	66.9719, 0.3271, 0.2861
Android (android.graphics.Color)	4294952175 (0xFFFFC4EF)
YUV	218.5430, 10.0853, 31.9728
Hunter-Lab	81.8364, 23.7982, -8.3134

Details

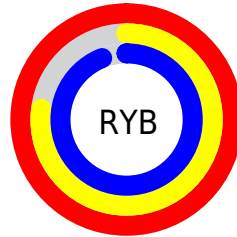
The Yxy color **66.9719, 0.3271, 0.2861** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.0080, 0.3009, 0.3761**, and the grayscale version is **70.4178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **34.7707, 0.3305, 0.2768** is the 20% darker color. If you saturate the color by 10%, you get **56.0241, 0.3350, 0.2670**, and if you desaturate by 10%, it is **79.8807, 0.3202, 0.3051**.

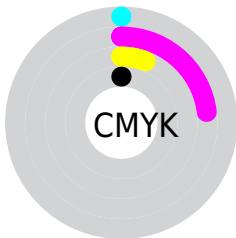
Distribution



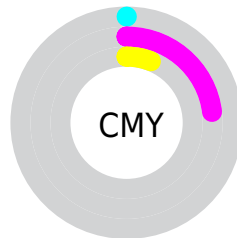
- Red (100%)
- Green (77%)
- Blue (94%)



- Red (100%)
- Yellow (77%)
- Blue (94%)



- Cyan (0%)
- Magenta (23%)
- Yellow (6%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9719, 0.3271, 0.2861 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 66.9719, 0.3271, 0.2861 by changing the saturation by 10% instead.

 66.9719, 0.3271,
0.2861

 66.9719, 0.3271,
0.2861


449.8447, 0.3207,
0.3055

 49.0618, 0.3285,
0.2818


114.8801, 0.3249,
0.2927

 34.6685, 0.3302,
0.2765


145.6471, 0.3241,
0.2954

 23.4076, 0.3323,
0.2699


181.4684, 0.3233,
0.2976

 14.8948, 0.3350,
0.2614

222.7285, 0.3227,
0.2996

 8.7456, 0.3386,
0.2501

269.8118, 0.3221,
0.3013

 4.5756, 0.3434,
0.2343

323.1027, 0.3216,

 2.0005, 0.3503,

0.3029

0.2108

382.9855, 0.3211,
0.3043

0.6077, 0.3636,
0.1665

0.0000, 0.3540,
0.0000

66.9719, 0.3271,
0.2861

66.9719, 0.3271,
0.2861

56.0241, 0.3350,
0.2670

79.8807, 0.3202,
0.3051

46.9527, 0.3439,
0.2485

94.8568, 0.3144,
0.3234

39.6451, 0.3539,
0.2316

100.0000, 0.3127,
0.3290

33.9829, 0.3647,
0.2173

■ 29.8327, 0.3759,
0.2066

■ 27.0404, 0.3874,
0.2005

■ 25.4187, 0.3985,
0.1994

■ 24.7974, 0.4059,
0.2010

Harmonies

Analogous

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



66.9719, 0.2890, 0.2703



66.9719, 0.3271, 0.2861



66.9719, 0.3631, 0.3119

Triad

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



66.9719, 0.3271, 0.2861



66.9719, 0.3669, 0.3928



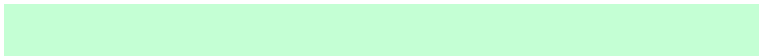
66.9719, 0.2451, 0.3082

Complementary

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



66.9719, 0.3271, 0.2861



88.0080, 0.3009, 0.3761

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.



66.9719, 0.2635, 0.3446



66.9719, 0.3271, 0.2861



66.9719, 0.3332, 0.3963

Square

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



66.9719, 0.3271, 0.2861



66.9719, 0.3865, 0.3722



66.9719, 0.2954, 0.3784



66.9719, 0.2436, 0.2808

Rectangle

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



66.9719, 0.3271, 0.2861



66.9719, 0.3801, 0.3322



66.9719, 0.2954, 0.3784



66.9719, 0.2494, 0.3198

Sweetspot

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



66.9672, 0.3271, 0.2861



88.8273, 0.3165, 0.3164



60.6522, 0.2840, 0.2655



18.8170, 0.3169, 0.3153



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.



66.9672, 0.3271, 0.2861



61.4096, 0.3308, 0.2768



65.3769, 0.3497, 0.3150



18.2113, 0.3180, 0.3118



12.9835, 0.4042, 0.2000



1.2825, 0.3925, 0.1936

Inverse Universe

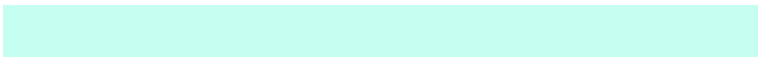
The Inverse Universe completely reimagines the original color for something new.



66.9672, 0.3271, 0.2861



61.4096, 0.3308, 0.2768



89.6192, 0.2854, 0.3436



18.2113, 0.3180, 0.3118



12.9835, 0.4042, 0.2000



1.2825, 0.3925, 0.1936

Previews

White Background



This preview shows how the Yxy color 66.9719, 0.3271, 0.2861 looks on a white background.

Color Contrast Check

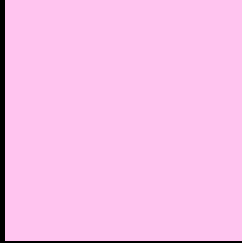
Large Text (above 18pt) WCAG AA × Fail

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 66.9719, 0.3271, 0.2861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

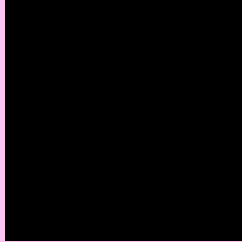
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.9719, 0.3271, 0.2861

Background



This preview shows how black text looks on a background with the Yxy color 66.9719, 0.3271, 0.2861.



This preview shows how white text looks on a background with the Yxy color 66.9719, 0.3271, 0.2861.

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

66.9719, 0.3271, 0.2861

Protanopia

67.1919, 0.2853, 0.2888

Deuteranopia

67.0735, 0.3047, 0.2980



Tritanopia

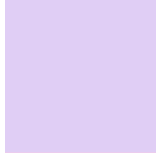
66.9619, 0.3417, 0.3126

Trichromacy



Original Color

66.9719, 0.3271, 0.2861



Protanomaly

66.5825, 0.2994, 0.2877



Deuteranomaly

67.0209, 0.3121, 0.2935



Tritanomaly

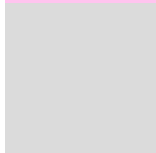
67.1113, 0.3365, 0.3036

Monochromacy



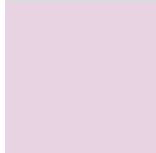
Original Color

66.9719, 0.3271, 0.2861



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

69.2353, 0.3179, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9719, 0.3271, 0.2861 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, 196, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 239)  
}
```

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, 196, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 239) }
```

Border

The CSS property to change the border of an element to Yxy 66.9719, 0.3271, 0.2861 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, 196, 239) }
```

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

```
.border{ border-color:rgb(255, 196, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9719, 0.3271, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 239) }
```

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

```
.background{ background-color: rgb(255,  
196, 239) }
```

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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