

Converting Colors

$Y_{xy}(78.7489, 0.3572, 0.2782)$

Have a look what the booklet for
Yxy(78.7489, 0.3572, 0.2782)
contains.

Yxy(66.9354, 0.3170, 0.2711)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.9354, 0.3170, 0.2711)

Conversions

Conversions Part 1

Format	Color
Hex	FFC2FD
RGB	255, 194, 253
RGB Percent	100%, 76%, 99%
CMY	0.0000, 0.2392, 0.0080
CMYK	0.00, 0.24, 0.01, 0.00
HSL	302°, 100%, 88%
HSV	302°, 24%, 100%
XYZ	78.2682, 66.9354, 101.6993
YIQ	218.9650, 17.4170, 31.2810

Conversions

Conversions Part 2

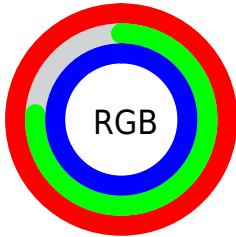
Format	Color
R _Y B	255, 194, 253
Decimal	16761597
CIE Lab	85.47, 31.28, -20.55
CIE LCh	85, 37.425, 326.694
Yxy	66.9354, 0.3170, 0.2711
Android (android.graphics.Color)	4294951677 (0xFFFFC2FD)
YUV	218.9650, 16.7793, 31.6027
Hunter-Lab	81.8141, 27.5892, -16.4309

Details

The Yxy color **66.9354, 0.3170, 0.2711** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.9749, 0.3084, 0.3946**, and the grayscale version is **70.6794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4744, 0.3129, 0.3252**, and **34.7475, 0.3180, 0.2592** is the 20% darker color. If you saturate the color by 10%, you get **56.4840, 0.3189, 0.2470**, and if you desaturate by 10%, it is **79.3251, 0.3151, 0.2956**.

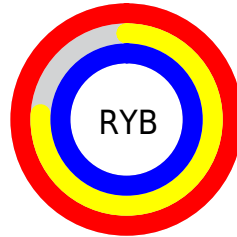
Distribution



Red (100%)

Green (76%)

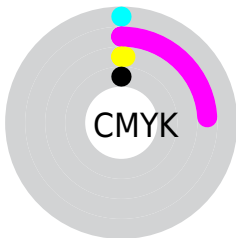
Blue (99%)



Red (100%)

Yellow (76%)

Blue (99%)

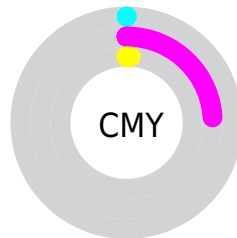


Cyan (0%)

Magenta (24%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.9354, 0.3170, 0.2711 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 66.9354, 0.3170, 0.2711 by changing the saturation by 10% instead.

 66.9354, 0.3170,
0.2711

 66.9354, 0.3170,
0.2711


449.7148, 0.3155,
0.2969

 49.0321, 0.3172,
0.2654


 114.8278, 0.3166,
0.2799

 34.6450, 0.3174,
0.2585


145.5858, 0.3164,
0.2833

 23.3895, 0.3176,
0.2500


181.3975, 0.3162,
0.2863

 14.8814, 0.3177,
0.2392

222.6472, 0.3161,
0.2890

 8.7362, 0.3176,
0.2249

269.7194, 0.3159,
0.2913

 4.5695, 0.3169,
0.2055

322.9985, 0.3158,

 1.9970, 0.3149,

0.2934

0.1778

382.8688, 0.3157,
0.2953

0.6057, 0.3107,
0.1304

0.0000, 0.2437,
0.0000

66.9354, 0.3170,
0.2711

66.9354, 0.3170,
0.2711

56.4840, 0.3189,
0.2470

79.3251, 0.3151,
0.2956

47.8855, 0.3209,
0.2243

93.7594, 0.3134,
0.3197

41.0270, 0.3228,
0.2038

100.0000, 0.3127,
0.3290

35.7891, 0.3246,
0.1866

■ 32.0374, 0.3263,
0.1734

■ 29.6158, 0.3277,
0.1646

■ 28.3337, 0.3289,
0.1601

■ 27.9462, 0.3296,
0.1589

Harmonies

Analogous

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



66.9354, 0.2726, 0.2561



66.9354, 0.3170, 0.2711



66.9354, 0.3634, 0.2989

Triad

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



66.9354, 0.3170, 0.2711



66.9354, 0.3867, 0.4009



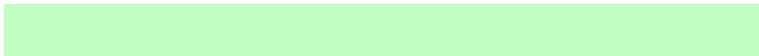
66.9354, 0.2353, 0.3142

Complementary

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



66.9354, 0.3170, 0.2711



86.9749, 0.3084, 0.3946

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.



66.9354, 0.2619, 0.3602



66.9354, 0.3170, 0.2711



66.9354, 0.3490, 0.4130

Square

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



66.9354, 0.3170, 0.2711



66.9354, 0.4049, 0.3712



66.9354, 0.3032, 0.3985



66.9354, 0.2281, 0.2773

Rectangle

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



66.9354, 0.3170, 0.2711



66.9354, 0.3878, 0.3222



66.9354, 0.3032, 0.3985



66.9354, 0.2421, 0.3292

Sweetspot

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



66.9307, 0.3170, 0.2711



89.0971, 0.3139, 0.3124



57.4041, 0.2723, 0.2612



18.8796, 0.3140, 0.3109



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.



66.9307, 0.3170, 0.2711



61.3908, 0.3179, 0.2588



65.1943, 0.3391, 0.2991



18.2893, 0.3143, 0.3064



14.6071, 0.3294, 0.1588



1.4254, 0.3284, 0.1583

Inverse Universe

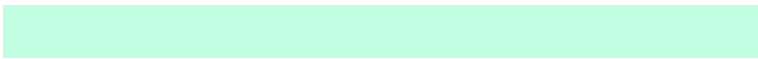
The Inverse Universe completely reimagines the original color for something new.



66.9307, 0.3170, 0.2711



61.3908, 0.3179, 0.2588



88.4528, 0.2925, 0.3610



18.2893, 0.3143, 0.3064



14.6071, 0.3294, 0.1588



1.4254, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 66.9354, 0.3170, 0.2711 looks on a white background.

Color Contrast Check

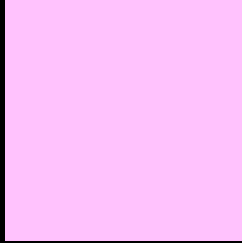
Large Text (above 18pt) WCAG AA × Fail

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 66.9354, 0.3170, 0.2711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

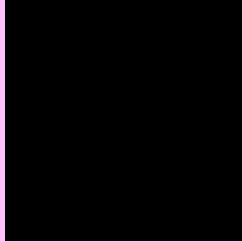
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.9354, 0.3170, 0.2711

Background



This preview shows how black text looks on a background with the Yxy color 66.9354, 0.3170, 0.2711.

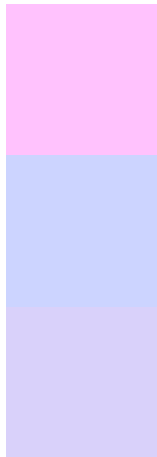


This preview shows how white text looks on a background with the Yxy color 66.9354, 0.3170, 0.2711.

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

66.9354, 0.3170, 0.2711

Protanopia

67.1443, 0.2797, 0.2825

Deuteranopia

67.2548, 0.2913, 0.2853



Tritanopia

67.0551, 0.3400, 0.3136

Trichromacy



Original Color

66.9354, 0.3170, 0.2711



Protanomaly

66.5064, 0.2928, 0.2776



Deuteranomaly

67.1397, 0.3004, 0.2803



Tritanomaly

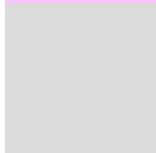
66.7408, 0.3321, 0.2975

Monochromacy



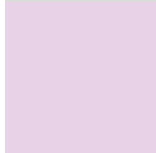
Original Color

66.9354, 0.3170, 0.2711



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

69.0185, 0.3145, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9354, 0.3170, 0.2711 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, 194, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 253)  
}
```

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, 194, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 253) }
```

Border

The CSS property to change the border of an element to Yxy 66.9354, 0.3170, 0.2711 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, 194, 253) }
```

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

```
.border{ border-color:rgb(255, 194, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9354, 0.3170, 0.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 253) }
```

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

```
.background{ background-color: rgb(255,  
194, 253) }
```

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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