

Converting Colors

$Y_{xy}(66.7152, 0.3185, 0.2728)$

Have a look what the booklet for
Yxy(66.7152, 0.3185, 0.2728)
contains.

Yxy(66.8086, 0.3184, 0.2729)	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(66.8086, 0.3184, 0.2729)

Conversions

Conversions Part 1

Format	Color
Hex	FFC2FB
RGB	255, 194, 251
RGB Percent	100%, 76%, 98%
CMY	0.0000, 0.2392, 0.0157
CMYK	0.00, 0.24, 0.02, 0.00
HSL	304°, 100%, 88%
HSV	304°, 24%, 100%
XYZ	77.9474, 66.8086, 100.0538
YIQ	218.7370, 18.0590, 30.6590

Conversions

Conversions Part 2

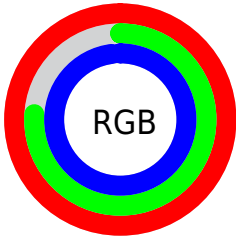
Format	Color
R _Y B	255, 194, 251
Decimal	16761595
CIE _{Lab}	85.41, 30.91, -19.60
CIE _{LCh}	85, 36.603, 327.622
Yxy	66.8086, 0.3184, 0.2729
Android (android.graphics.Color)	4294951675 (0xFFFFC2FB)
YUV	218.7370, 15.9057, 31.8027
Hunter-Lab	81.7365, 27.1863, -15.3614

Details

The Yxy color $66.8086, 0.3184, 0.2729$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $87.0667, 0.3073, 0.3924$, and the grayscale version is $70.5247, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.4744, 0.3129, 0.3252$, and $34.6570, 0.3199, 0.2615$ is the 20% darker color. If you saturate the color by 10%, you get $56.3107, 0.3211, 0.2495$, and if you desaturate by 10%, it is $79.2558, 0.3159, 0.2967$.

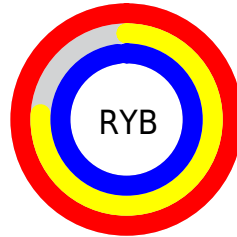
Distribution



Red (100%)

Green (76%)

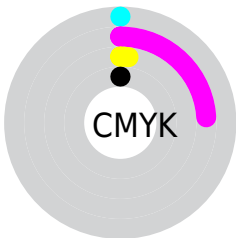
Blue (98%)



Red (100%)

Yellow (76%)

Blue (98%)

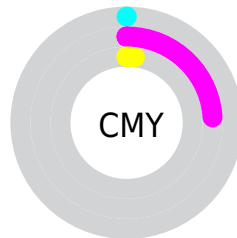


Cyan (0%)

Magenta (24%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8086, 0.3184, 0.2729 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 66.8086, 0.3184, 0.2729 by changing the saturation by 10% instead.


 66.8086, 0.3184,
0.2729

 66.8086, 0.3184,
0.2729

449.2632, 0.3163,
0.2980

 48.9291, 0.3188,
0.2674


 114.6461, 0.3177,
0.2814

 34.5632, 0.3192,
0.2607


145.3729, 0.3175,
0.2848

 23.3266, 0.3196,
0.2524


181.1509, 0.3172,
0.2877

 14.8349, 0.3201,
0.2418

222.3646, 0.3170,
0.2903

 8.7036, 0.3204,
0.2278

269.3982, 0.3168,
0.2925

 4.5483, 0.3205,
0.2088


322.6363, 0.3166,


 1.9848, 0.3196,


0.2946


0.1814


382.4631, 0.3164,
0.2964


 0.5986, 0.3175,
0.1337


 0.0000, 0.2494,
0.0000

 66.8086, 0.3184,
0.2729

 66.8086, 0.3184,
0.2729

 56.3107, 0.3211,
0.2495


 79.2558, 0.3159,
0.2967

 47.6613, 0.3240,
0.2272

 93.7432, 0.3136,
0.3201

 40.7526, 0.3269,
0.2072

100.0000, 0.3127,
0.3290

 35.4652, 0.3297,
0.1903

■ 31.6647, 0.3324,
0.1774

■ 29.1951, 0.3349,
0.1689

■ 27.8657, 0.3372,
0.1647

■ 27.4497, 0.3384,
0.1638

Harmonies

Analogous

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



66.8086, 0.2746, 0.2578



66.8086, 0.3184, 0.2729



66.8086, 0.3636, 0.3006

Triad

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



66.8086, 0.3184, 0.2729



66.8086, 0.3843, 0.4002



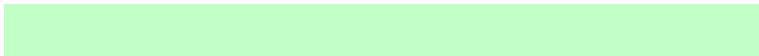
66.8086, 0.2363, 0.3133

Complementary

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



66.8086, 0.3184, 0.2729



87.0667, 0.3073, 0.3924

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.



66.8086, 0.2619, 0.3582



66.8086, 0.3184, 0.2729



66.8086, 0.3470, 0.4111

Square

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



66.8086, 0.3184, 0.2729



66.8086, 0.4028, 0.3715



66.8086, 0.3021, 0.3961



66.8086, 0.2299, 0.2776

Rectangle

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



66.8086, 0.3184, 0.2729



66.8086, 0.3871, 0.3235



66.8086, 0.3021, 0.3961



66.8086, 0.2428, 0.3279

Sweetspot

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



66.8091, 0.3184, 0.2729



89.0601, 0.3142, 0.3129



57.6812, 0.2737, 0.2614



18.8710, 0.3144, 0.3115



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.



66.8091, 0.3184, 0.2729



61.2398, 0.3197, 0.2609



65.0885, 0.3407, 0.3011



18.2786, 0.3148, 0.3071



14.3518, 0.3381, 0.1636



1.4033, 0.3360, 0.1624

Inverse Universe

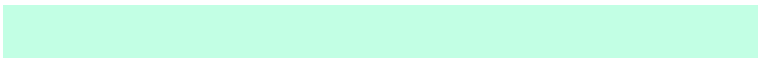
The Inverse Universe completely reimagines the original color for something new.



66.8091, 0.3184, 0.2729



61.2398, 0.3197, 0.2609



88.5660, 0.2914, 0.3587



18.2786, 0.3148, 0.3071



14.3518, 0.3381, 0.1636



1.4033, 0.3360, 0.1624

Previews

White Background



This preview shows how the Yxy color 66.8086, 0.3184, 0.2729 looks on a white background.

Color Contrast Check

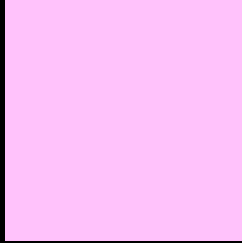
Large Text (above 18pt) WCAG AA × Fail

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 66.8086, 0.3184, 0.2729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

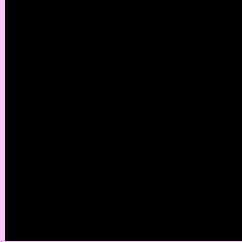
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8086, 0.3184, 0.2729

Background



This preview shows how black text looks on a background with the Yxy color 66.8086, 0.3184, 0.2729.



This preview shows how white text looks on a background with the Yxy color 66.8086, 0.3184, 0.2729.

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

66.8086, 0.3184, 0.2729

Protanopia

67.1443, 0.2797, 0.2825

Deuteranopia

66.7945, 0.2932, 0.2863



Tritanopia

66.5904, 0.3401, 0.3125

Trichromacy



Original Color

66.8086, 0.3184, 0.2729



Protanomaly

66.5064, 0.2928, 0.2776



Deuteranomaly

66.5403, 0.3017, 0.2812



Tritanomaly

66.7408, 0.3321, 0.2975

Monochromacy



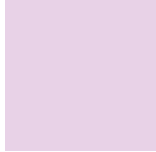
Original Color

66.8086, 0.3184, 0.2729



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 66.8086, 0.3184, 0.2729 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 251) }
```

Border

The CSS property to change the border of an element to Yxy 66.8086, 0.3184, 0.2729 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, 251) }
```

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

```
.border{ border-color:rgb(255, 194, 251) }
```

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, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8086, 0.3184, 0.2729 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, 251) }
```

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

```
.background{ background-color: rgb(255,  
194, 251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor