

Converting Colors

Yxy(66.9835, 0.3109, 0.2708)

Have a look what the booklet for
Yxy(66.9835, 0.3109, 0.2708)
contains.

Yxy(66.8396, 0.3110, 0.2704)	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(66.8396, 0.3110, 0.2704)

Conversions

Conversions Part 1

Format	Color
Hex	F9C4FF
RGB	249, 196, 255
RGB Percent	98%, 77%, 100%
CMY	0.0233, 0.2315, 0.0000
CMYK	0.02, 0.23, 0.00, 0.00
HSL	294°, 100%, 88%
HSV	294°, 23%, 100%
XYZ	76.8754, 66.8396, 103.4728
YIQ	218.5730, 12.6490, 29.5850

Conversions

Conversions Part 2

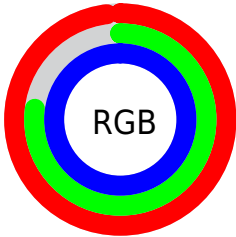
Format	Color
R _Y B	249, 196, 255
Decimal	16368895
CIE Lab	85.42, 28.69, -21.76
CIE LCh	85, 36.011, 322.816
Yxy	66.8396, 0.3110, 0.2704
Android (android.graphics.Color)	4294558975 (0xFFFF9C4FF)
YUV	218.5730, 17.9585, 26.6845
Hunter-Lab	81.7555, 24.7731, -17.8108

Details

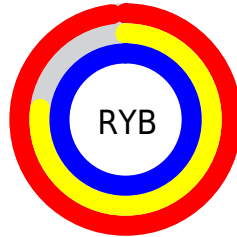
The Yxy color **66.8396, 0.3110, 0.2704** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.0492, 0.3133, 0.3937**, and the grayscale version is **70.3976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **34.6297, 0.3101, 0.2581** is the 20% darker color. If you saturate the color by 10%, you get **55.8320, 0.3098, 0.2447**, and if you desaturate by 10%, it is **79.8117, 0.3119, 0.2962**.

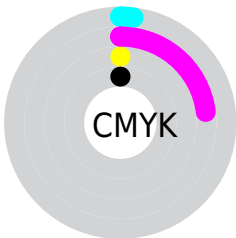
Distribution



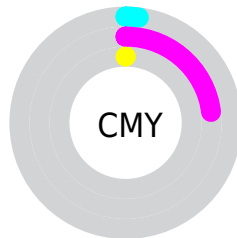
- Red (98%)
- Green (77%)
- Blue (100%)



- Red (98%)
- Yellow (77%)
- Blue (100%)



- Cyan (2%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8396, 0.3110, 0.2704 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 66.8396, 0.3110, 0.2704 by changing the saturation by 10% instead.


 66.8396, 0.3110,
0.2704

 66.8396, 0.3110,
0.2704

449.3736, 0.3123,
0.2966

 48.9543, 0.3106,
0.2647


114.6905, 0.3116,
0.2793

 34.5832, 0.3100,
0.2577


145.4250, 0.3117,
0.2828

 23.3420, 0.3092,
0.2490


181.2112, 0.3119,
0.2859

 14.8462, 0.3080,
0.2380

222.4337, 0.3120,
0.2885

 8.7115, 0.3061,
0.2236

269.4768, 0.3121,
0.2909

 4.5535, 0.3030,
0.2039


322.7248, 0.3122,


 1.9878, 0.2973,


0.2930


0.1757

382.5623, 0.3123,
0.2949


 0.6003, 0.2867,
0.1277


 0.0000, 0.1840,
0.0000


 66.8396, 0.3110,
0.2704


 66.8396, 0.3110,
0.2704

 55.8320, 0.3098,
0.2447


 79.8117, 0.3119,
0.2962

 46.6852, 0.3083,
0.2199

 94.8353, 0.3126,
0.3213

 39.2933, 0.3065,
0.1971

100.0000, 0.3127,
0.3290

 33.5379, 0.3044,
0.1773

■ 29.2859, 0.3021,
0.1614

■ 26.3832, 0.2996,
0.1499

■ 24.6427, 0.2970,
0.1428

■ 23.9356, 0.2952,
0.1400

Harmonies

Analogous

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



66.8396, 0.2693, 0.2578



66.8396, 0.3110, 0.2704



66.8396, 0.3561, 0.2960

Triad

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



66.8396, 0.3110, 0.2704



66.8396, 0.3876, 0.3955



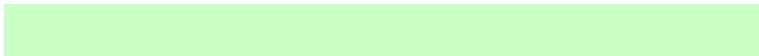
66.8396, 0.2403, 0.3204

Complementary

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



66.8396, 0.3110, 0.2704



88.0492, 0.3133, 0.3937

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.



66.8396, 0.2683, 0.3646



66.8396, 0.3110, 0.2704



66.8396, 0.3532, 0.4096

Square

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



66.8396, 0.3110, 0.2704



66.8396, 0.4020, 0.3655



66.8396, 0.3094, 0.3990



66.8396, 0.2308, 0.2830

Rectangle

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



66.8396, 0.3110, 0.2704



66.8396, 0.3811, 0.3180



66.8396, 0.3094, 0.3990



66.8396, 0.2477, 0.3351

Sweetspot

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



66.8412, 0.3110, 0.2704



88.7963, 0.3123, 0.3118



61.6004, 0.2738, 0.2714



18.8097, 0.3123, 0.3103



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.



66.8412, 0.3110, 0.2704



61.2582, 0.3105, 0.2579



66.5774, 0.3320, 0.2924



18.2021, 0.3122, 0.3055



12.5446, 0.2957, 0.1402



1.2471, 0.2987, 0.1419

Inverse Universe

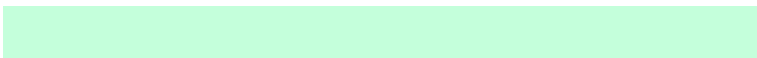
The Inverse Universe completely reimagines the original color for something new.



64.9902, 0.3560, 0.3230



59.1270, 0.3682, 0.3217



88.3464, 0.2973, 0.3687



18.0168, 0.3279, 0.3266



11.1566, 0.6287, 0.3237



1.0957, 0.6074, 0.3120

Previews

White Background



This preview shows how the Yxy color 66.8396, 0.3110, 0.2704 looks on a white background.

Color Contrast Check

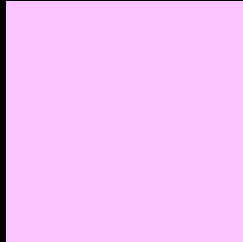
Large Text (above 18pt) WCAG AA × Fail

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 66.8396, 0.3110, 0.2704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

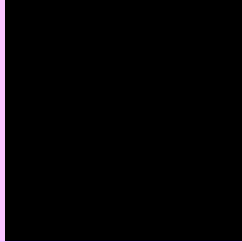
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8396, 0.3110, 0.2704

Background



This preview shows how black text looks on a background with the Yxy color 66.8396, 0.3110, 0.2704.



This preview shows how white text looks on a background with the Yxy color 66.8396, 0.3110, 0.2704.

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

66.8396, 0.3110, 0.2704

Protanopia

67.1443, 0.2797, 0.2825

Deuteranopia

67.2917, 0.2888, 0.2822



Tritanopia

67.0069, 0.3335, 0.3134

Trichromacy



Original Color

66.8396, 0.3110, 0.2704



Protanomaly

66.5783, 0.2901, 0.2774



Deuteranomaly

66.8355, 0.2963, 0.2771



Tritanomaly

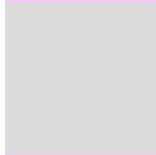
66.6709, 0.3257, 0.2971

Monochromacy



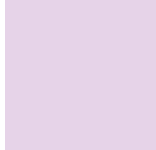
Original Color

66.8396, 0.3110, 0.2704



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

69.2377, 0.3123, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8396, 0.3110, 0.2704 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(249, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 196, 255)  
}
```

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(249, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.8396, 0.3110, 0.2704 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(249, 196, 255) }
```

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

```
.border{ border-color:rgb(249, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8396, 0.3110, 0.2704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 196, 255) }
```

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

```
.background{ background-color: rgb(249,  
196, 255) }
```

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