

Converting Colors

Yxy(68.9640, 0.3136, 0.2740)

Have a look what the booklet for
Yxy(68.9640, 0.3136, 0.2740)
contains.

Yxy(68.9495, 0.3138, 0.2740)	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(68.9495, 0.3138, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	FDC7FF
RGB	253, 199, 255
RGB Percent	99%, 78%, 100%
CMY	0.0080, 0.2195, 0.0001
CMYK	0.01, 0.22, 0.00, 0.00
HSL	298°, 100%, 89%
HSV	298°, 22%, 100%
XYZ	78.9648, 68.9495, 103.7262
YIQ	221.5300, 14.2080, 28.8640

Conversions

Conversions Part 2

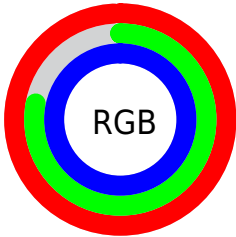
Format	Color
R _Y B	253, 199, 255
Decimal	16631807
CIE Lab	86.48, 28.32, -20.10
CIE LCh	86, 34.730, 324.631
Yxy	68.9495, 0.3138, 0.2740
Android (android.graphics.Color)	4294821887 (0xFFFDC7FF)
YUV	221.5300, 16.5007, 27.5992
Hunter-Lab	83.0358, 24.4359, -15.9384

Details

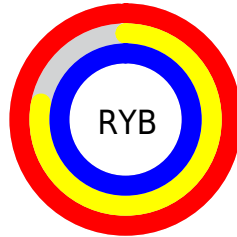
The Yxy color $68.9495, 0.3138, 0.2740$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $88.0475, 0.3111, 0.3904$, and the grayscale version is $72.5719, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.0638, 0.3139, 0.2627$ is the 20% darker color. If you saturate the color by 10%, you get $58.0123, 0.3141, 0.2488$, and if you desaturate by 10%, it is $81.8591, 0.3134, 0.2994$.

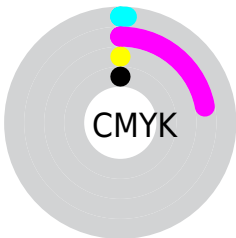
Distribution



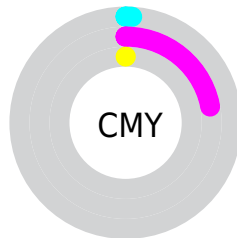
- Red (99%)
- Green (78%)
- Blue (100%)



- Red (99%)
- Yellow (78%)
- Blue (100%)



- Cyan (1%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9495, 0.3138, 0.2740 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 68.9495, 0.3138, 0.2740 by changing the saturation by 10% instead.


 68.9495, 0.3138,
0.2740

 68.9495, 0.3138,
0.2740

456.8528, 0.3138,
0.2985

 50.6706, 0.3137,
0.2686


117.7094, 0.3139,
0.2823

 35.9465, 0.3135,
0.2621


148.9593, 0.3139,
0.2856

 24.3929, 0.3132,
0.2540


185.3015, 0.3139,
0.2885

 15.6253, 0.3127,
0.2438

227.1206, 0.3139,
0.2910

 9.2594, 0.3119,
0.2303

274.8008, 0.3138,
0.2932

 4.9108, 0.3102,
0.2120


328.7267, 0.3138,


 2.1950, 0.3068,


0.2951

0.1857


389.2826, 0.3138,
0.2969


 0.7173, 0.2994,
0.1439


 0.0000, 0.2464,
0.0000


 68.9495, 0.3138,
0.2740


 68.9495, 0.3138,
0.2740

 58.0123, 0.3141,
0.2488

 81.8591, 0.3134,
0.2994

 48.9408, 0.3143,
0.2247

 96.8233, 0.3128,
0.3243

 41.6316, 0.3143,
0.2027

99.9979, 0.3127,
0.3290

 35.9678, 0.3142,
0.1838

■ 31.8184, 0.3138,
0.1687

■ 29.0326, 0.3132,
0.1580

■ 27.4281, 0.3125,
0.1517

■ 26.7743, 0.3118,
0.1491

Harmonies

Analogous

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



68.9495, 0.2734, 0.2611



68.9495, 0.3138, 0.2740



68.9495, 0.3566, 0.2993

Triad

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



68.9495, 0.3138, 0.2740



68.9495, 0.3828, 0.3940



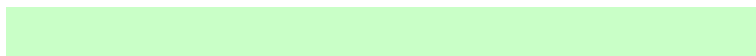
68.9495, 0.2423, 0.3185

Complementary

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



68.9495, 0.3138, 0.2740



88.0475, 0.3111, 0.3904

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.



68.9495, 0.2683, 0.3605



68.9495, 0.3138, 0.2740



68.9495, 0.3491, 0.4060

Square

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



68.9495, 0.3138, 0.2740



68.9495, 0.3978, 0.3662



68.9495, 0.3071, 0.3942



68.9495, 0.2343, 0.2835

Rectangle

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



68.9495, 0.3138, 0.2740



68.9495, 0.3797, 0.3206



68.9495, 0.3071, 0.3942



68.9495, 0.2491, 0.3324

Sweetspot

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



68.9525, 0.3138, 0.2740



89.0137, 0.3131, 0.3118



61.5234, 0.2757, 0.2706



18.8602, 0.3131, 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.



68.9525, 0.3138, 0.2740



64.2968, 0.3140, 0.2637



67.8157, 0.3336, 0.2981



18.2651, 0.3132, 0.3055



14.0090, 0.3119, 0.1492



1.3740, 0.3130, 0.1498

Inverse Universe

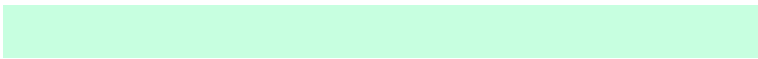
The Inverse Universe completely reimagines the original color for something new.



66.3330, 0.3560, 0.3271



61.2916, 0.3666, 0.3267



89.0383, 0.2961, 0.3622



17.9977, 0.3289, 0.3282



11.1239, 0.6364, 0.3280



1.0866, 0.6279, 0.3232

Previews

White Background



This preview shows how the Yxy color 68.9495, 0.3138, 0.2740 looks on a white background.

Color Contrast Check

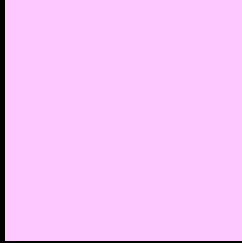
Large Text (above 18pt) WCAG AA × Fail

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 68.9495, 0.3138, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

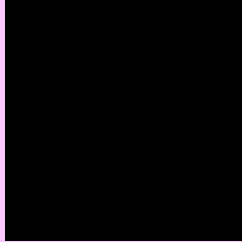
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.9495, 0.3138, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 68.9495, 0.3138, 0.2740.



This preview shows how white text looks on a background with the Yxy color 68.9495, 0.3138, 0.2740.

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

68.9495, 0.3138, 0.2740

Protanopia

69.2308, 0.2825, 0.2861

Deuteranopia

68.8960, 0.2916, 0.2848



Tritanopia

68.8396, 0.3341, 0.3126

Trichromacy



Original Color

68.9495, 0.3138, 0.2740



Protanomaly

68.6682, 0.2930, 0.2810



Deuteranomaly

68.9372, 0.2992, 0.2807



Tritanomaly

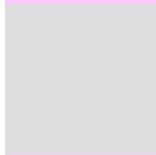
68.9191, 0.3270, 0.2986

Monochromacy



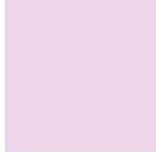
Original Color

68.9495, 0.3138, 0.2740



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

71.3573, 0.3130, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9495, 0.3138, 0.2740 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(253, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 199, 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(253, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.9495, 0.3138, 0.2740 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(253, 199, 255) }
```

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

```
.border{ border-color:rgb(253, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9495, 0.3138, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 199, 255) }
```

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

```
.background{ background-color: rgb(253,  
199, 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