

Converting Colors

$Y_{xy}(68.9078, 0.3195, 0.2795)$

Have a look what the booklet for
Yxy(68.9078, 0.3195, 0.2795)
contains.

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Color

Yxy(68.9464, 0.3195, 0.2797)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7F9
RGB	255, 199, 249
RGB Percent	100%, 78%, 98%
CMY	0.0001, 0.2196, 0.0234
CMYK	0.00, 0.22, 0.02, 0.00
HSL	306°, 100%, 89%
HSV	306°, 22%, 100%
XYZ	78.7571, 68.9464, 98.7977
YIQ	221.4440, 17.3260, 27.4220

Conversions

Conversions Part 2

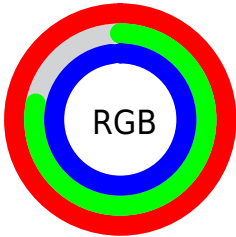
Format	Color
RYB	255, 199, 249
Decimal	16762873
CIELab	86.48, 27.91, -16.94
CIElCh	86, 32.652, 328.751
Yxy	68.9464, 0.3195, 0.2797
Android (android.graphics.Color)	4294952953 (0xFFFFC7F9)
YUV	221.4440, 13.5851, 29.4286
Hunter-Lab	83.0340, 23.9966, -12.4222

Details

The Yxy color **68.9464, 0.3195, 0.2797** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.0526, 0.3066, 0.3838**, and the grayscale version is **72.5294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.1068, 0.3205, 0.2689** is the 20% darker color. If you saturate the color by 10%, you get **58.0138, 0.3232, 0.2570**, and if you desaturate by 10%, it is **81.8531, 0.3162, 0.3025**.

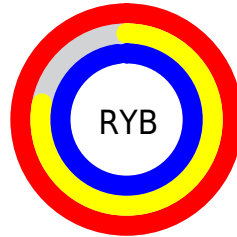
Distribution



Red (100%)

Green (78%)

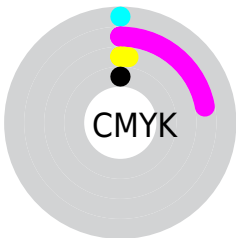
Blue (98%)



Red (100%)

Yellow (78%)

Blue (98%)

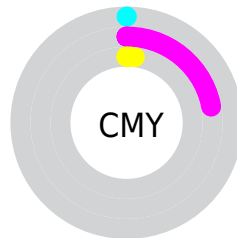


Cyan (0%)

Magenta (22%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (22%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9464, 0.3195, 0.2797 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 68.9464, 0.3195, 0.2797 by changing the saturation by 10% instead.

 68.9464, 0.3195,
0.2797

 68.9464, 0.3195,
0.2797


456.8419, 0.3168,
0.3018

 50.6681, 0.3200,
0.2748


117.7050, 0.3186,
0.2872

 35.9445, 0.3207,
0.2689

148.9541, 0.3183,
0.2902

 24.3913, 0.3214,
0.2616


185.2955, 0.3179,
0.2927

 15.6242, 0.3222,
0.2522

227.1137, 0.3176,
0.2950

 9.2586, 0.3232,
0.2398

274.7930, 0.3174,
0.2970

 4.9102, 0.3242,
0.2228

328.7179, 0.3172,

 2.1947, 0.3250,

0.2987

0.1982

389.2727, 0.3169,
0.3003

0.7171, 0.3251,
0.1577

0.0000, 0.2903,
0.0000

68.9464, 0.3195,
0.2797

68.9464, 0.3195,
0.2797

58.0138, 0.3232,
0.2570

81.8531, 0.3162,
0.3025

48.9484, 0.3271,
0.2351

96.8160, 0.3132,
0.3248

41.6470, 0.3312,
0.2152

99.9948, 0.3127,
0.3290

35.9926, 0.3355,
0.1981

■ 31.8541, 0.3397,
0.1847

■ 29.0806, 0.3437,
0.1757

■ 27.4900, 0.3475,
0.1712

■ 26.8487, 0.3503,
0.1703

Harmonies

Analogous

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



68.9464, 0.2804, 0.2657



68.9464, 0.3195, 0.2797



68.9464, 0.3590, 0.3050

Triad

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



68.9464, 0.3195, 0.2797



68.9464, 0.3753, 0.3929



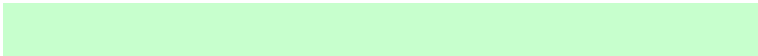
68.9464, 0.2442, 0.3142

Complementary

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



68.9464, 0.3195, 0.2797



88.0526, 0.3066, 0.3838

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.



68.9464, 0.2667, 0.3533



68.9464, 0.3195, 0.2797



68.9464, 0.3420, 0.4011

Square

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



68.9464, 0.3195, 0.2797



68.9464, 0.3921, 0.3685



68.9464, 0.3022, 0.3867



68.9464, 0.2390, 0.2828

Rectangle

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



68.9464, 0.3195, 0.2797



68.9464, 0.3792, 0.3257



68.9464, 0.3022, 0.3867



68.9464, 0.2499, 0.3269

Sweetspot

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



68.9494, 0.3195, 0.2797



89.0136, 0.3147, 0.3136



60.9957, 0.2792, 0.2681



18.8602, 0.3149, 0.3123



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.



68.9494, 0.3195, 0.2797



64.3005, 0.3209, 0.2704



67.3501, 0.3400, 0.3063



18.2651, 0.3154, 0.3080



14.0459, 0.3497, 0.1700



1.3768, 0.3460, 0.1680

Inverse Universe

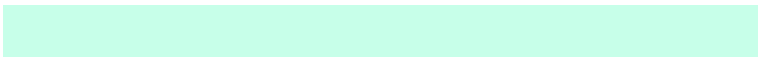
The Inverse Universe completely reimagines the original color for something new.



68.9494, 0.3195, 0.2797



64.3005, 0.3209, 0.2704



89.5063, 0.2916, 0.3529



18.2651, 0.3154, 0.3080



14.0459, 0.3497, 0.1700



1.3768, 0.3460, 0.1680

Previews

White Background



This preview shows how the Yxy color 68.9464, 0.3195, 0.2797 looks on a white background.

Color Contrast Check

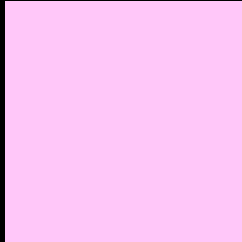
Large Text (above 18pt) WCAG AA × Fail

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 68.9464, 0.3195, 0.2797 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 68.9464, 0.3195, 0.2797

Background



This preview shows how black text looks on a background with the Yxy color 68.9464, 0.3195, 0.2797.



This preview shows how white text looks on a background with the Yxy color 68.9464, 0.3195, 0.2797.

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

68.9464, 0.3195, 0.2797

Protanopia

69.2308, 0.2825, 0.2861

Deuteranopia

69.1512, 0.2981, 0.2911



Tritanopia

68.8623, 0.3373, 0.3127

Trichromacy



Original Color

68.9464, 0.3195, 0.2797



Protanomaly

68.7003, 0.2949, 0.2831



Deuteranomaly

69.0651, 0.3052, 0.2868



Tritanomaly

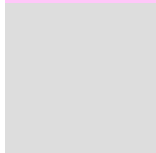
68.7060, 0.3301, 0.2997

Monochromacy



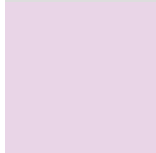
Original Color

68.9464, 0.3195, 0.2797



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

70.6817, 0.3151, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9464, 0.3195, 0.2797 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, 199, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 249)  
}
```

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, 199, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 249) }
```

Border

The CSS property to change the border of an element to Yxy 68.9464, 0.3195, 0.2797 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, 199, 249) }
```

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

```
.border{ border-color:rgb(255, 199, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9464, 0.3195, 0.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 249) }
```

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

```
.background{ background-color: rgb(255,  
199, 249) }
```

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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