

Converting Colors

$Y_{xy}(75.7981, 0.3478, 0.2835)$

Have a look what the booklet for
Yxy(75.7981, 0.3478, 0.2835)
contains.

Yxy(68.4255, 0.3203, 0.2796)	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(68.4255, 0.3203, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	FFC6F8
RGB	255, 198, 248
RGB Percent	100%, 78%, 97%
CMY	0.0000, 0.2235, 0.0273
CMYK	0.00, 0.22, 0.03, 0.00
HSL	307°, 100%, 89%
HSV	307°, 22%, 100%
XYZ	78.3859, 68.4255, 97.9150
YIQ	220.7430, 17.9220, 27.6340

Conversions

Conversions Part 2

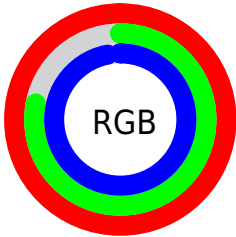
Format	Color
RYB	255, 198, 248
Decimal	16762616
CIELab	86.22, 28.29, -16.81
CIELCh	86, 32.906, 329.287
Yxy	68.4255, 0.3203, 0.2796
Android (android.graphics.Color)	4294952696 (0xFFFFC6F8)
YUV	220.7430, 13.4377, 30.0434
Hunter-Lab	82.7197, 24.3886, -12.2776

Details

The Yxy color **68.4255, 0.3203, 0.2796** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.9307, 0.3059, 0.3840**, and the grayscale version is **72.0116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7581, 0.3215, 0.2688** is the 20% darker color. If you saturate the color by 10%, you get **57.5420, 0.3243, 0.2572**, and if you desaturate by 10%, it is **81.2750, 0.3166, 0.3021**.

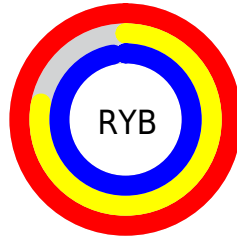
Distribution



Red (100%)

Green (78%)

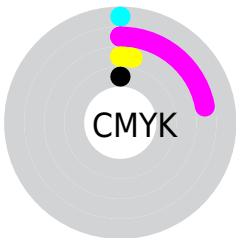
Blue (97%)



Red (100%)

Yellow (78%)

Blue (97%)

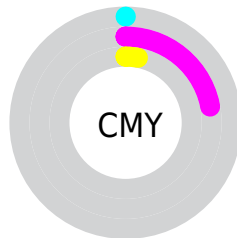


Cyan (0%)

Magenta (22%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4255, 0.3203, 0.2796 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 68.4255, 0.3203, 0.2796 by changing the saturation by 10% instead.

 68.4255, 0.3203,
0.2796

 68.4255, 0.3203,
0.2796


455.0021, 0.3172,
0.3017

 50.2440, 0.3209,
0.2747

116.9606, 0.3193,
0.2871

 35.6073, 0.3217,
0.2688


148.0831, 0.3189,
0.2901

 24.1311, 0.3225,
0.2614


184.2879, 0.3185,
0.2927

 15.4309, 0.3235,
0.2519

225.9595, 0.3182,
0.2949

 9.1223, 0.3247,
0.2395

273.4824, 0.3179,
0.2969

 4.8211, 0.3261,
0.2224

327.2408, 0.3176,

 2.1427, 0.3274,

0.2987

0.1975

387.6193, 0.3174,
0.3003

0.6885, 0.3286,
0.1558

0.0000, 0.2893,
0.0000

68.4255, 0.3203,
0.2796

68.4255, 0.3203,
0.2796

57.5420, 0.3243,
0.2572

81.2750, 0.3166,
0.3021

48.5255, 0.3287,
0.2357

96.1812, 0.3134,
0.3240

41.2697, 0.3334,
0.2161

100.0000, 0.3127,
0.3290

35.6570, 0.3382,
0.1993

■ 31.5557, 0.3430,
0.1863

■ 28.8138, 0.3476,
0.1777

■ 27.2473, 0.3519,
0.1736

■ 26.6347, 0.3550,
0.1730

Harmonies

Analogous

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



68.4255, 0.2807, 0.2652



68.4255, 0.3203, 0.2796



68.4255, 0.3601, 0.3052

Triad

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



68.4255, 0.3203, 0.2796



68.4255, 0.3754, 0.3939



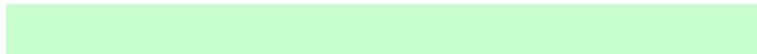
68.4255, 0.2433, 0.3133

Complementary

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



68.4255, 0.3203, 0.2796



87.9307, 0.3059, 0.3840

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.



68.4255, 0.2657, 0.3528



68.4255, 0.3203, 0.2796



68.4255, 0.3415, 0.4018

Square

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



68.4255, 0.3203, 0.2796



68.4255, 0.3928, 0.3693



68.4255, 0.3013, 0.3868



68.4255, 0.2384, 0.2819

Rectangle

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



68.4255, 0.3203, 0.2796



68.4255, 0.3804, 0.3262



68.4255, 0.3013, 0.3868



68.4255, 0.2489, 0.3261

Sweetspot

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



68.4257, 0.3203, 0.2796



88.9957, 0.3149, 0.3139



60.5347, 0.2792, 0.2669



18.8561, 0.3151, 0.3126



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.



68.4257, 0.3203, 0.2796



63.1314, 0.3221, 0.2691



66.8051, 0.3414, 0.3068



18.2599, 0.3157, 0.3084



13.9323, 0.3544, 0.1726



1.3668, 0.3500, 0.1702

Inverse Universe

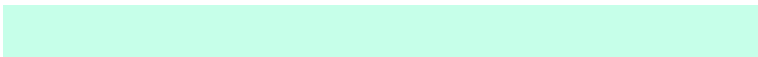
The Inverse Universe completely reimagines the original color for something new.



68.4257, 0.3203, 0.2796



63.1314, 0.3221, 0.2691



89.4167, 0.2907, 0.3524



18.2599, 0.3157, 0.3084



13.9323, 0.3544, 0.1726



1.3668, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 68.4255, 0.3203, 0.2796 looks on a white background.

Color Contrast Check

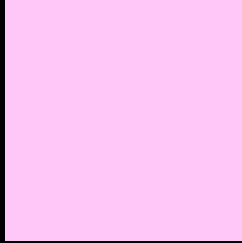
Large Text (above 18pt) WCAG AA × Fail

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 68.4255, 0.3203, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

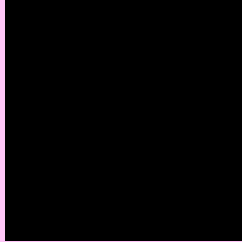
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.4255, 0.3203, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 68.4255, 0.3203, 0.2796.



This preview shows how white text looks on a background with the Yxy color 68.4255, 0.3203, 0.2796.

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

68.4255, 0.3203, 0.2796

Protanopia

68.5785, 0.2818, 0.2849

Deuteranopia

68.4350, 0.2980, 0.2909



Tritanopia

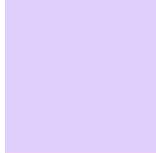
68.3356, 0.3382, 0.3126

Trichromacy



Original Color

68.4255, 0.3203, 0.2796



Protanomaly

67.9873, 0.2949, 0.2829



Deuteranomaly

68.5202, 0.3059, 0.2867



Tritanomaly

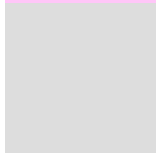
68.1819, 0.3310, 0.2996

Monochromacy



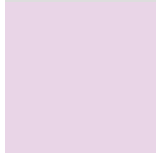
Original Color

68.4255, 0.3203, 0.2796



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 68.4255, 0.3203, 0.2796 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, 198, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 248)  
}
```

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, 198, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 248) }
```

Border

The CSS property to change the border of an element to Yxy 68.4255, 0.3203, 0.2796 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, 198, 248) }
```

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

```
.border{ border-color:rgb(255, 198, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4255, 0.3203, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 248) }
```

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

```
.background{ background-color: rgb(255,  
198, 248) }
```

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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