

Converting Colors

$Y_{xy}(70.5004, 0.3412, 0.2985)$

Have a look what the booklet for
Yxy(70.5004, 0.3412, 0.2985)
contains.

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Color

Yxy(68.3381, 0.3326, 0.2979)

Conversions

Conversions Part 1

Format	Color
Hex	FFC8E7
RGB	255, 200, 231
RGB Percent	100%, 78%, 91%
CMY	0.0003, 0.2155, 0.0942
CMYK	0.00, 0.22, 0.09, 0.00
HSL	326°, 100%, 89%
HSV	326°, 22%, 100%
XYZ	76.2983, 68.3381, 84.7631
YIQ	219.9790, 22.8290, 21.3010

Conversions

Conversions Part 2

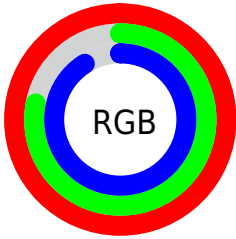
Format	Color
R _Y B	255, 200, 231
Decimal	16763111
CIE Lab	86.18, 24.28, -7.82
CIE LCh	86, 25.506, 342.148
Yxy	68.3381, 0.3326, 0.2979
Android (android.graphics.Color)	4294953191 (0xFFFFC8E7)
YUV	219.9790, 5.4334, 30.7134
Hunter-Lab	82.6669, 20.0815, -2.9267

Details

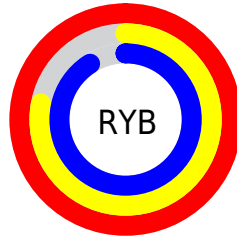
The Yxy color $68.3381, 0.3326, 0.2979$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $89.1418, 0.2968, 0.3623$, and the grayscale version is $71.5031, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.6587, 0.3379, 0.2917$ is the 20% darker color. If you saturate the color by 10%, you get $56.8898, 0.3447, 0.2828$, and if you desaturate by 10%, it is $81.8012, 0.3224, 0.3127$.

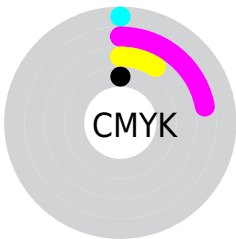
Distribution



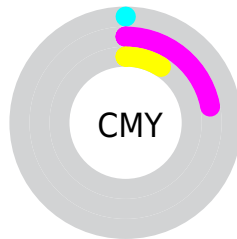
- Red (100%)
- Green (78%)
- Blue (91%)



- Red (100%)
- Yellow (78%)
- Blue (91%)



- Cyan (0%)
- Magenta (22%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3381, 0.3326, 0.2979 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 68.3381, 0.3326, 0.2979 by changing the saturation by 10% instead.

 68.3381, 0.3326,
0.2979

 68.3381, 0.3326,
0.2979

454.6930, 0.3235,
0.3121

 50.1728, 0.3347,
0.2947


116.8357, 0.3294,
0.3028

 35.5508, 0.3372,
0.2908


147.9368, 0.3282,
0.3047

 24.0874, 0.3404,
0.2859


184.1187, 0.3272,
0.3063

 15.3985, 0.3446,
0.2795

225.7657, 0.3262,
0.3078

 9.0995, 0.3502,
0.2709

273.2622, 0.3254,
0.3090

 4.8062, 0.3583,
0.2588


326.9927, 0.3247,


 2.1340, 0.3708,


0.3102


0.2404


387.3415, 0.3241,
0.3112

 0.6836, 0.3941,
0.2058


 0.0000, 0.6896,
0.0000


 68.3381, 0.3326,
0.2979


 68.3381, 0.3326,
0.2979

 56.8898, 0.3447,
0.2828


 81.8012, 0.3224,
0.3127

 47.3489, 0.3590,
0.2679

 97.3615, 0.3139,
0.3269

 39.6119, 0.3754,
0.2541

99.9872, 0.3127,
0.3290

 33.5616, 0.3938,
0.2425

■ 29.0668, 0.4138,
0.2343

■ 25.9769, 0.4347,
0.2306

■ 24.1106, 0.4555,
0.2324

■ 23.2533, 0.4726,
0.2377

Harmonies

Analogous

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



68.3381, 0.3007, 0.2822



68.3381, 0.3326, 0.2979



68.3381, 0.3601, 0.3212

Triad

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



68.3381, 0.3326, 0.2979



68.3381, 0.3517, 0.3839



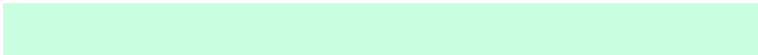
68.3381, 0.2547, 0.3057

Complementary

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



68.3381, 0.3326, 0.2979



89.1418, 0.2968, 0.3623

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.



68.3381, 0.2669, 0.3345



68.3381, 0.3326, 0.2979



68.3381, 0.3223, 0.3819

Square

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



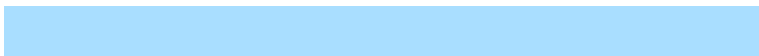
68.3381, 0.3326, 0.2979



68.3381, 0.3711, 0.3704



68.3381, 0.2914, 0.3634



68.3381, 0.2570, 0.2853

Rectangle

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



68.3381, 0.3326, 0.2979



68.3381, 0.3715, 0.3386



68.3381, 0.2914, 0.3634



68.3381, 0.2572, 0.3147

Sweetspot

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



68.3412, 0.3326, 0.2979



90.2013, 0.3175, 0.3207



64.3598, 0.2927, 0.2715



19.0886, 0.3180, 0.3198



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.



68.3412, 0.3326, 0.2979



63.0220, 0.3378, 0.2912



66.9171, 0.3537, 0.3254



18.1587, 0.3205, 0.3157



12.1882, 0.4694, 0.2360



1.2087, 0.4478, 0.2240

Inverse Universe

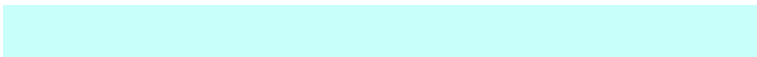
The Inverse Universe completely reimagines the original color for something new.



68.3412, 0.3326, 0.2979



63.0220, 0.3378, 0.2912



90.7435, 0.2824, 0.3327



18.1587, 0.3205, 0.3157



12.1882, 0.4694, 0.2360



1.2087, 0.4478, 0.2240

Previews

White Background



This preview shows how the Yxy color 68.3381, 0.3326, 0.2979 looks on a white background.

Color Contrast Check

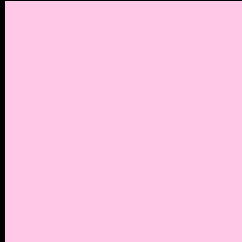
Large Text (above 18pt) WCAG AA × Fail

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 68.3381, 0.3326, 0.2979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

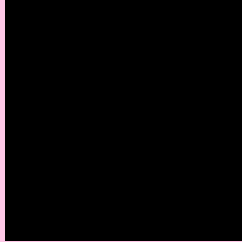
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3381, 0.3326, 0.2979

Background



This preview shows how black text looks on a background with the Yxy color 68.3381, 0.3326, 0.2979.



This preview shows how white text looks on a background with the Yxy color 68.3381, 0.3326, 0.2979.

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

68.3381, 0.3326, 0.2979

Protanopia

68.5305, 0.2950, 0.3007

Deuteranopia

68.7393, 0.3151, 0.3088



Tritanopia

68.1857, 0.3407, 0.3127

Trichromacy



Original Color

68.3381, 0.3326, 0.2979

Protanomaly

68.2093, 0.3075, 0.2993

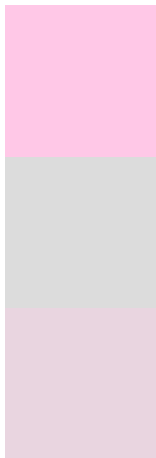
Deuteranomaly

68.3810, 0.3214, 0.3040

Tritanomaly

68.1718, 0.3378, 0.3067

Monochromacy



Original Color

68.3381, 0.3326, 0.2979

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.2940, 0.3199, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3381, 0.3326, 0.2979 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, 200, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 231)  
}
```

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, 200, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 231) }
```

Border

The CSS property to change the border of an element to Yxy 68.3381, 0.3326, 0.2979 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, 200, 231) }
```

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

```
.border{ border-color:rgb(255, 200, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 200, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 200, 231); box-shadow:4px 4px 4px 4px rgb(255, 200, 231) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3381, 0.3326, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 231) }
```

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

```
.background{ background-color: rgb(255,  
200, 231) }
```

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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