

Converting Colors

$Y_{xy}(87.2305, 0.3955, 0.3029)$

Have a look what the booklet for
Yxy(87.2305, 0.3955, 0.3029)
contains.

Yxy(67.9330, 0.3320, 0.2959)	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(67.9330, 0.3320, 0.2959)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7E8
RGB	255, 199, 232
RGB Percent	100%, 78%, 91%
CMY	0.0001, 0.2195, 0.0903
CMYK	0.00, 0.22, 0.09, 0.00
HSL	325°, 100%, 89%
HSV	325°, 22%, 100%
XYZ	76.2209, 67.9330, 85.4271
YIQ	219.5060, 22.7830, 22.1350

Conversions

Conversions Part 2

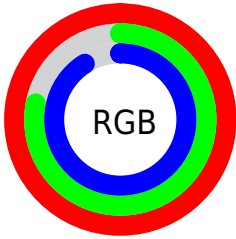
Format	Color
R_{YB}	255, 199, 232
Decimal	16762856
CIE _{Lab}	85.97, 24.99, -8.65
CIE _{LCh}	86, 26.447, 340.915
Yxy	67.9330, 0.3320, 0.2959
Android (android.graphics.Color)	4294952936 (0xFFFFC7E8)
YUV	219.5060, 6.1595, 31.1282
Hunter-Lab	82.4215, 20.8338, -3.7570

Details

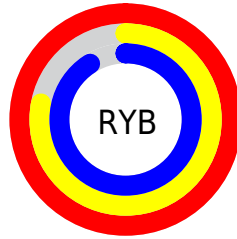
The Yxy color $67.9330, 0.3320, 0.2959$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $88.9252, 0.2973, 0.3646$, and the grayscale version is $71.1532, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.3912, 0.3371, 0.2892$ is the 20% darker color. If you saturate the color by 10%, you get $56.5902, 0.3435, 0.2801$, and if you desaturate by 10%, it is $81.2831, 0.3223, 0.3114$.

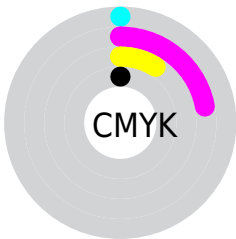
Distribution



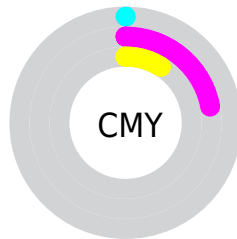
- Red (100%)
- Green (78%)
- Blue (91%)



- 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 67.9330, 0.3320, 0.2959 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 67.9330, 0.3320, 0.2959 by changing the saturation by 10% instead.


 67.9330, 0.3320,
0.2959

 67.9330, 0.3320,
0.2959


453.2586, 0.3232,
0.3110

 49.8432, 0.3340,
0.2925


116.2563, 0.3290,
0.3011

 35.2888, 0.3364,
0.2884


147.2586, 0.3278,
0.3031

 23.8855, 0.3395,
0.2831


183.3339, 0.3267,
0.3049

 15.2487, 0.3435,
0.2764

224.8665, 0.3258,
0.3064

 8.9941, 0.3490,
0.2673

272.2409, 0.3251,
0.3078

 4.7373, 0.3567,
0.2545

325.8415, 0.3244,

 2.0940, 0.3685,

0.3089

0.2351

386.0526, 0.3237,
0.3100

0.6612, 0.3909,
0.1982

0.0000, 0.6101,
0.0000

67.9330, 0.3320,
0.2959

67.9330, 0.3320,
0.2959

56.5902, 0.3435,
0.2801

81.2831, 0.3223,
0.3114

47.1472, 0.3570,
0.2647

96.7231, 0.3141,
0.3262

39.5001, 0.3724,
0.2504

99.9959, 0.3127,
0.3290

33.5312, 0.3896,
0.2383

■ 29.1090, 0.4082,
0.2298

■ 26.0816, 0.4276,
0.2258

■ 24.2663, 0.4468,
0.2272

■ 23.4648, 0.4619,
0.2318

Harmonies

Analogous

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



67.9330, 0.2989, 0.2800



67.9330, 0.3320, 0.2959



67.9330, 0.3610, 0.3197

Triad

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



67.9330, 0.3320, 0.2959



67.9330, 0.3542, 0.3857



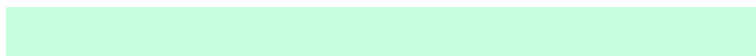
67.9330, 0.2528, 0.3058

Complementary

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



67.9330, 0.3320, 0.2959



88.9252, 0.2973, 0.3646

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.



67.9330, 0.2660, 0.3360



67.9330, 0.3320, 0.2959



67.9330, 0.3240, 0.3845

Square

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



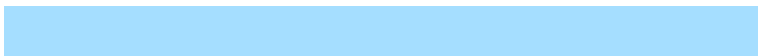
67.9330, 0.3320, 0.2959



67.9330, 0.3739, 0.3711



67.9330, 0.2917, 0.3659



67.9330, 0.2546, 0.2843

Rectangle

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



67.9330, 0.3320, 0.2959



67.9330, 0.3733, 0.3377



67.9330, 0.2917, 0.3659



67.9330, 0.2556, 0.3153

Sweetspot

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



67.9360, 0.3320, 0.2959



88.6719, 0.3181, 0.3188



63.5087, 0.2909, 0.2701



18.7809, 0.3186, 0.3179



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.



67.9360, 0.3320, 0.2959



63.1143, 0.3364, 0.2895



66.4998, 0.3532, 0.3234



18.1667, 0.3201, 0.3151



12.2936, 0.4589, 0.2302



1.2187, 0.4388, 0.2191

Inverse Universe

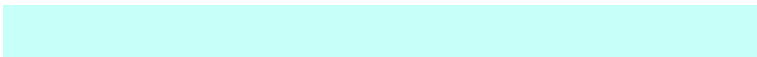
The Inverse Universe completely reimagines the original color for something new.



67.9360, 0.3320, 0.2959



63.1143, 0.3364, 0.2895



90.5142, 0.2828, 0.3348



18.1667, 0.3201, 0.3151



12.2936, 0.4589, 0.2302



1.2187, 0.4388, 0.2191

Previews

White Background



This preview shows how the Yxy color 67.9330, 0.3320, 0.2959 looks on a white background.

Color Contrast Check

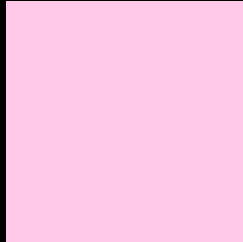
Large Text (above 18pt) WCAG AA × Fail

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 67.9330, 0.3320, 0.2959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

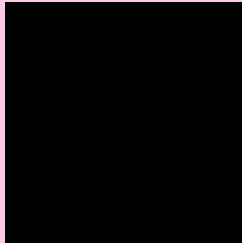
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9330, 0.3320, 0.2959

Background



This preview shows how black text looks on a background with the Yxy color 67.9330, 0.3320, 0.2959.

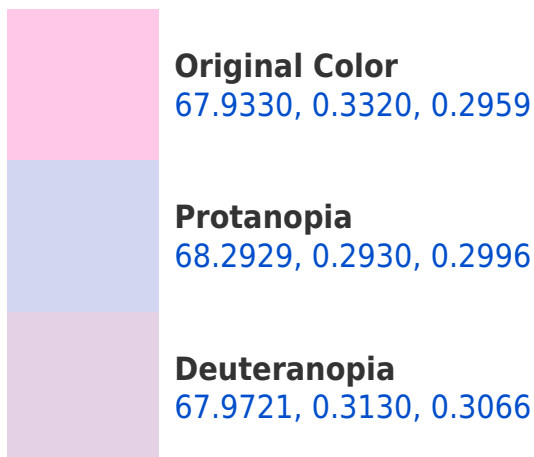


This preview shows how white text looks on a background with the Yxy color 67.9330, 0.3320, 0.2959.

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





Tritanopia

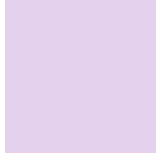
68.1335, 0.3414, 0.3137

Trichromacy



Original Color

67.9330, 0.3320, 0.2959



Protanomaly

68.1049, 0.3061, 0.2982



Deuteranomaly

67.6093, 0.3193, 0.3018



Tritanomaly

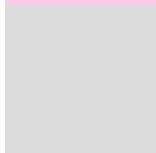
68.1180, 0.3386, 0.3077

Monochromacy



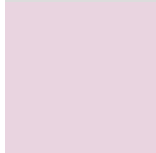
Original Color

67.9330, 0.3320, 0.2959



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

69.7924, 0.3200, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9330, 0.3320, 0.2959 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 232) }
```

Border

The CSS property to change the border of an element to Yxy 67.9330, 0.3320, 0.2959 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, 232) }
```

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

```
.border{ border-color:rgb(255, 199, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9330, 0.3320, 0.2959 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
199, 232) }
```

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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