

Converting Colors

$Y_{xy}(70.9487, 0.3349, 0.3079)$

Have a look what the booklet for
Yxy(70.9487, 0.3349, 0.3079)
contains.

Yxy(70.9487, 0.3349, 0.3079)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.9487, 0.3349, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	FFCEE3
RGB	255, 206, 227
RGB Percent	100%, 81%, 89%
CMY	0.0001, 0.1921, 0.1098
CMYK	0.00, 0.19, 0.11, 0.00
HSL	334°, 100%, 90%
HSV	334°, 19%, 100%
XYZ	77.1702, 70.9487, 82.3088
YIQ	223.0450, 22.4630, 16.9190

Conversions

Conversions Part 2

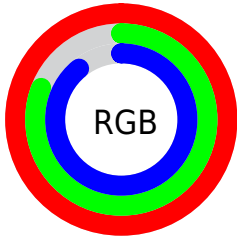
Format	Color
R_{YB}	255, 206, 227
Decimal	16764643
CIE _{Lab}	87.46, 20.50, -3.81
CIE _{LCh}	87, 20.855, 349.471
Yxy	70.9487, 0.3349, 0.3079
Android (android.graphics.Color)	4294954723 (0xFFFFCEE3)
YUV	223.0450, 1.9498, 28.0245
Hunter-Lab	84.2311, 16.1326, 1.0248

Details

The Yxy color **70.9487, 0.3349, 0.3079** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.5663, 0.2949, 0.3511**, and the grayscale version is **73.8005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.4408, 0.3399, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **58.8834, 0.3501, 0.2962**, and if you desaturate by 10%, it is **85.0797, 0.3223, 0.3192**.

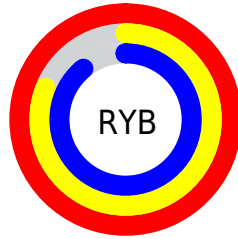
Distribution



Red (100%)

Green (81%)

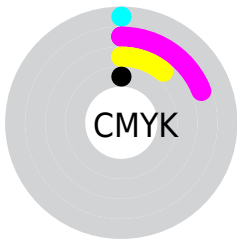
Blue (89%)



Red (100%)

Yellow (81%)

Blue (89%)

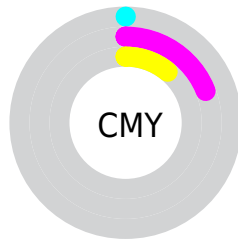


Cyan (0%)

Magenta (19%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (19%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9487, 0.3349, 0.3079 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 70.9487, 0.3349, 0.3079 by changing the saturation by 10% instead.


 70.9487, 0.3349,
0.3079

 70.9487, 0.3349,
0.3079


463.8741, 0.3247,
0.3176

 52.3003, 0.3372,
0.3057


120.5607, 0.3313,
0.3112

 37.2445, 0.3401,
0.3030


152.2931, 0.3300,
0.3125

 25.3969, 0.3438,
0.2996


189.1556, 0.3288,
0.3137

 16.3730, 0.3486,
0.2952

231.5327, 0.3277,
0.3146

 9.7885, 0.3551,
0.2893

279.8087, 0.3268,
0.3155

 5.2589, 0.3644,
0.2808

334.3680, 0.3260,

 2.4000, 0.3791,

0.3163

0.2677

395.5950, 0.3253,
0.3170

0.8259, 0.4055,
0.2448

0.0000, 1.0000,
0.0000

70.9487, 0.3349,
0.3079

70.9487, 0.3349,
0.3079

58.8834, 0.3501,
0.2962

85.0797, 0.3223,
0.3192

48.7767, 0.3684,
0.2846

99.9950, 0.3127,
0.3290

40.5263, 0.3900,
0.2738

34.0167, 0.4149,
0.2647

■ 29.1191, 0.4426,
0.2586

■ 25.6870, 0.4719,
0.2568

■ 23.5463, 0.5012,
0.2603

■ 22.4363, 0.5285,
0.2689

■ 22.3668, 0.5306,
0.2697

Harmonies

Analogous

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



70.9487, 0.3094, 0.2931



70.9487, 0.3349, 0.3079



70.9487, 0.3549, 0.3281

Triad

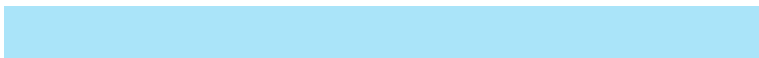
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9487, 0.3349, 0.3079



70.9487, 0.3391, 0.3740



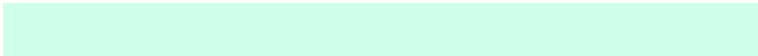
70.9487, 0.2648, 0.3056

Complementary

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



70.9487, 0.3349, 0.3079



90.5663, 0.2949, 0.3511

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.



70.9487, 0.2721, 0.3277



70.9487, 0.3349, 0.3079



70.9487, 0.3144, 0.3688

Square

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



70.9487, 0.3349, 0.3079



70.9487, 0.3572, 0.3663



70.9487, 0.2900, 0.3514



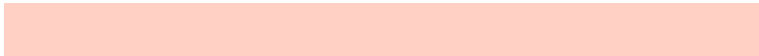
70.9487, 0.2696, 0.2911

Rectangle

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



70.9487, 0.3349, 0.3079



70.9487, 0.3619, 0.3424



70.9487, 0.2900, 0.3514



70.9487, 0.2659, 0.3124

Sweetspot

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



70.9519, 0.3349, 0.3079



90.0736, 0.3188, 0.3227



68.8200, 0.2998, 0.2789



19.0584, 0.3195, 0.3220



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.



70.9519, 0.3349, 0.3079



66.1453, 0.3404, 0.3035



71.4501, 0.3501, 0.3324



18.1164, 0.3227, 0.3188



11.7184, 0.5265, 0.2674



1.1623, 0.4975, 0.2514

Inverse Universe

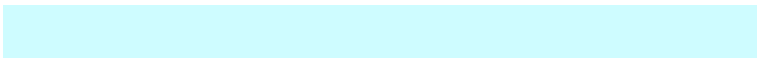
The Inverse Universe completely reimagines the original color for something new.



70.9519, 0.3349, 0.3079



66.1453, 0.3404, 0.3035



89.7809, 0.2836, 0.3255



18.1164, 0.3227, 0.3188



11.7184, 0.5265, 0.2674



1.1623, 0.4975, 0.2514

Previews

White Background



This preview shows how the Yxy color 70.9487, 0.3349, 0.3079 looks on a white background.

Color Contrast Check

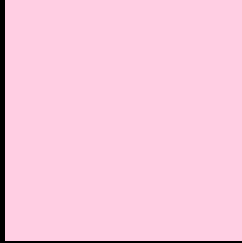
Large Text (above 18pt) WCAG AA × Fail

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 70.9487, 0.3349, 0.3079 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 70.9487, 0.3349, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 70.9487, 0.3349, 0.3079.



This preview shows how white text looks on a background with the Yxy color 70.9487, 0.3349, 0.3079.

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

70.9487, 0.3349, 0.3079

Protanopia

71.1434, 0.3030, 0.3117

Deuteranopia

71.2566, 0.3222, 0.3154



Tritanopia

71.0242, 0.3370, 0.3129

Trichromacy



Original Color

70.9487, 0.3349, 0.3079

Protanomaly

71.0185, 0.3143, 0.3111

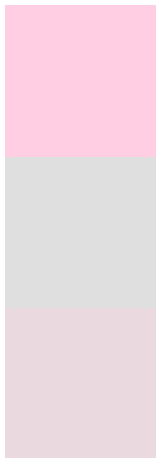
Deuteranomaly

70.8173, 0.3269, 0.3125

Tritanomaly

71.0783, 0.3363, 0.3119

Monochromacy



Original Color

70.9487, 0.3349, 0.3079

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.6697, 0.3210, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9487, 0.3349, 0.3079 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, 206, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 227)  
}
```

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, 206, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 227) }
```

Border

The CSS property to change the border of an element to Yxy 70.9487, 0.3349, 0.3079 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, 206, 227) }
```

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

```
.border{ border-color:rgb(255, 206, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9487, 0.3349, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 227) }
```

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

```
.background{ background-color: rgb(255,  
206, 227) }
```

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