

Converting Colors

$Y_{xy}(100.0000, 0.4332, 0.3153)$

Have a look what the booklet for
Yxy(100.0000, 0.4332, 0.3153)
contains.

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Color

Yxy(67.7359, 0.3410, 0.3087)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFC8DC |
| RGB | 255, 200, 220 |
| RGB Percent | 100%, 78%, 86% |
| CMY | 0.0000, 0.2157, 0.1371 |
| CMYK | 0.00, 0.22, 0.14, 0.00 |
| HSL | 338°, 100%, 89% |
| HSV | 338°, 22%, 100% |
| XYZ | 74.8233, 67.7359, 76.8639 |
| YIQ | 218.7250, 26.3600, 17.8800 |

Conversions

Conversions Part 2

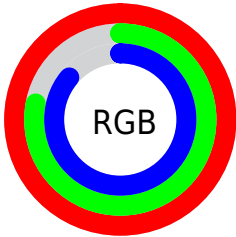
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 255, 200, 220 |
| Decimal | 16763100 |
| CIE Lab | 85.87, 22.56, -2.44 |
| CIE LCh | 86, 22.693, 353.838 |
| Yxy | 67.7359, 0.3410, 0.3087 |
| Android (android.graphics.Color) | 4294953180 (0xFFFFC8DC) |
| YUV | 218.7250, 0.6286, 31.8132 |
| Hunter-Lab | 82.3018, 18.2520, 2.2387 |

Details

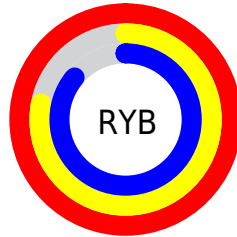
The Yxy color **67.7359, 0.3410, 0.3087** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.7939, 0.2909, 0.3503**, and the grayscale version is **70.6180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.2801, 0.3482, 0.3044** is the 20% darker color. If you saturate the color by 10%, you get **56.0737, 0.3588, 0.2987**, and if you desaturate by 10%, it is **81.4469, 0.3263, 0.3184**.

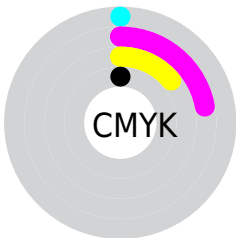
Distribution



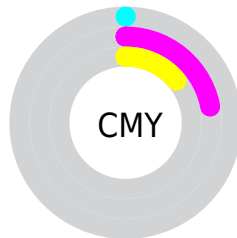
- Red (100%)
- Green (78%)
- Blue (86%)



- Red (100%)
- Yellow (78%)
- Blue (86%)



- Cyan (0%)
- Magenta (22%)
- Yellow (14%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7359, 0.3410, 0.3087 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 67.7359, 0.3410, 0.3087 by changing the saturation by 10% instead.


 67.7359, 0.3410,
0.3087

 67.7359, 0.3410,
0.3087

452.5597, 0.3278,
0.3181

 49.6829, 0.3440,
0.3065


115.9742, 0.3364,
0.3120

 35.1615, 0.3478,
0.3039


146.9284, 0.3346,
0.3132

 23.7873, 0.3527,
0.3005


182.9517, 0.3331,
0.3143

 15.1759, 0.3590,
0.2961

224.4286, 0.3317,
0.3153

 8.9429, 0.3678,
0.2900

271.7435, 0.3306,
0.3161

 4.7040, 0.3806,
0.2812


325.2807, 0.3295,


 2.0746, 0.4010,


0.3169


0.2674


385.4246, 0.3286,
0.3175


 0.6503, 0.4424,
0.2372

 0.0000, 1.0000,
0.0000


 67.7359, 0.3410,
0.3087


 67.7359, 0.3410,
0.3087

 56.0737, 0.3588,
0.2987


 81.4469, 0.3263,
0.3184

 46.3666, 0.3802,
0.2889

 97.3061, 0.3144,
0.3276

 38.5041, 0.4056,
0.2800

100.0000, 0.3127,
0.3290

 32.3671, 0.4348,
0.2731

■ 27.8224, 0.4670,
0.2693

■ 24.7170, 0.5004,
0.2700

■ 22.8671, 0.5326,
0.2759

■ 22.0488, 0.5570,
0.2842

Harmonies

Analogous

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



67.7359, 0.3131, 0.2914



67.7359, 0.3410, 0.3087



67.7359, 0.3616, 0.3313

Triad

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



67.7359, 0.3410, 0.3087



67.7359, 0.3381, 0.3790



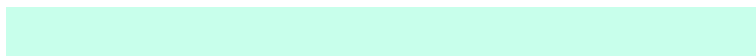
67.7359, 0.2599, 0.3001

Complementary

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



67.7359, 0.3410, 0.3087



89.7939, 0.2909, 0.3503

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.



67.7359, 0.2660, 0.3236



67.7359, 0.3410, 0.3087



67.7359, 0.3104, 0.3711

Square

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



67.7359, 0.3410, 0.3087



67.7359, 0.3596, 0.3721



67.7359, 0.2841, 0.3502



67.7359, 0.2671, 0.2858

Rectangle

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



67.7359, 0.3410, 0.3087



67.7359, 0.3680, 0.3469



67.7359, 0.2841, 0.3502



67.7359, 0.2605, 0.3071

Sweetspot

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



67.7338, 0.3410, 0.3087



90.0130, 0.3194, 0.3236



66.1579, 0.3005, 0.2727



19.0441, 0.3202, 0.3230



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.



67.7338, 0.3410, 0.3087



62.3231, 0.3484, 0.3043



70.2135, 0.3551, 0.3367



18.0965, 0.3237, 0.3204



11.5470, 0.5527, 0.2818



1.1444, 0.5215, 0.2647

Inverse Universe

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



67.7338, 0.3410, 0.3087



62.3231, 0.3484, 0.3043



86.4275, 0.2800, 0.3212



18.0965, 0.3237, 0.3204



11.5470, 0.5527, 0.2818



1.1444, 0.5215, 0.2647

Previews

White Background



This preview shows how the Yxy color 67.7359, 0.3410, 0.3087 looks on a white background.

Color Contrast Check

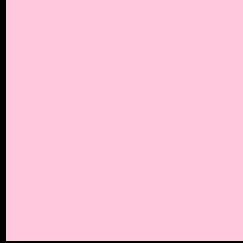
Large Text (above 18pt) WCAG AA × Fail

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 67.7359, 0.3410, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

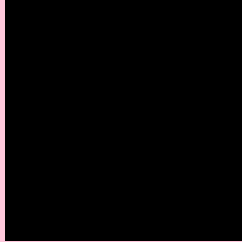
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7359, 0.3410, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 67.7359, 0.3410, 0.3087.

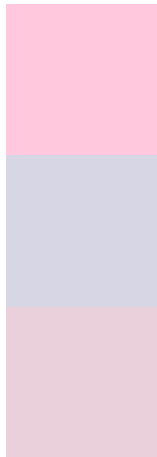


This preview shows how white text looks on a background with the Yxy color 67.7359, 0.3410, 0.3087.

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

67.7359, 0.3410, 0.3087

Protanopia

68.1416, 0.3041, 0.3136

Deuteranopia

67.6661, 0.3253, 0.3183



Tritanopia

67.9912, 0.3439, 0.3138

Trichromacy



Original Color

67.7359, 0.3410, 0.3087

Protanomaly

67.8602, 0.3172, 0.3119

Deuteranomaly

67.6544, 0.3310, 0.3144

Tritanomaly

68.0430, 0.3432, 0.3128

Monochromacy



Original Color

67.7359, 0.3410, 0.3087

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

69.3572, 0.3227, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7359, 0.3410, 0.3087 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 220) }
```

Border

The CSS property to change the border of an element to Yxy 67.7359, 0.3410, 0.3087 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, 220) }
```

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

```
.border{ border-color:rgb(255, 200, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7359, 0.3410, 0.3087 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, 220) }
```

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

```
.background{ background-color: rgb(255,  
200, 220) }
```

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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