

Converting Colors

$Y_{xy}(71.2932, 0.3542, 0.3080)$

Have a look what the booklet for
Yxy(71.2932, 0.3542, 0.3080)
contains.

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Color

Yxy(67.7890, 0.3402, 0.3077)

Conversions

Conversions Part 1

Format	Color
Hex	FFC8DD
RGB	255, 200, 221
RGB Percent	100%, 78%, 87%
CMY	0.0000, 0.2157, 0.1332
CMYK	0.00, 0.22, 0.13, 0.00
HSL	337°, 100%, 89%
HSV	337°, 22%, 100%
XYZ	74.9490, 67.7890, 77.5707
YIQ	218.8390, 26.0390, 18.1910

Conversions

Conversions Part 2

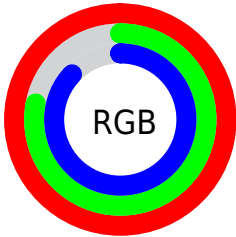
Format	Color
R _Y B	255, 200, 221
Decimal	16763101
CIE Lab	85.90, 22.71, -2.93
CIE LCh	86, 22.894, 352.637
Yxy	67.7890, 0.3402, 0.3077
Android (android.graphics.Color)	4294953181 (0xFFFFC8DD)
YUV	218.8390, 1.0654, 31.7132
Hunter-Lab	82.3341, 18.4046, 1.7740

Details

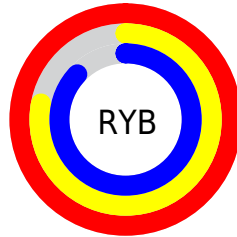
The Yxy color **67.7890, 0.3402, 0.3077** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.7362, 0.2914, 0.3514**, and the grayscale version is **70.7031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3167, 0.3471, 0.3031** is the 20% darker color. If you saturate the color by 10%, you get **56.1486, 0.3575, 0.2972**, and if you desaturate by 10%, it is **81.4839, 0.3260, 0.3179**.

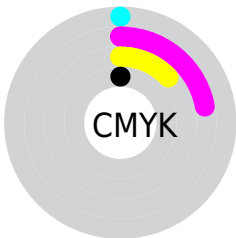
Distribution



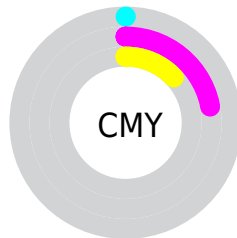
- Red (100%)
- Green (78%)
- Blue (87%)



- Red (100%)
- Yellow (78%)
- Blue (87%)



- Cyan (0%)
- Magenta (22%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7890, 0.3402, 0.3077 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 67.7890, 0.3402, 0.3077 by changing the saturation by 10% instead.


 67.7890, 0.3402,
0.3077

 67.7890, 0.3402,
0.3077


452.7481, 0.3274,
0.3176

 49.7261, 0.3432,
0.3054


116.0502, 0.3357,
0.3111

 35.1958, 0.3468,
0.3027


147.0174, 0.3340,
0.3125

 23.8137, 0.3515,
0.2991


183.0547, 0.3325,
0.3136

 15.1955, 0.3576,
0.2945

224.5466, 0.3312,
0.3146

 8.9567, 0.3661,
0.2882

271.8775, 0.3301,
0.3155

 4.7130, 0.3784,
0.2791

325.4318, 0.3291,

 2.0799, 0.3981,

0.3163

0.2648

385.5938, 0.3282,
0.3169

0.6533, 0.4376,
0.2341

0.0000, 1.0000,
0.0000

67.7890, 0.3402,
0.3077

67.7890, 0.3402,
0.3077

56.1486, 0.3575,
0.2972

81.4839, 0.3260,
0.3179

46.4537, 0.3782,
0.2870

97.3171, 0.3143,
0.3275

38.5994, 0.4028,
0.2776

99.9995, 0.3127,
0.3290

32.4666, 0.4309,
0.2702

■ 27.9225, 0.4620,
0.2660

■ 24.8144, 0.4943,
0.2663

■ 22.9588, 0.5257,
0.2720

■ 22.1332, 0.5497,
0.2802

Harmonies

Analogous

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



67.7890, 0.3119, 0.2906



67.7890, 0.3402, 0.3077



67.7890, 0.3615, 0.3303

Triad

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



67.7890, 0.3402, 0.3077



67.7890, 0.3393, 0.3794



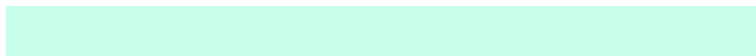
67.7890, 0.2595, 0.3006

Complementary

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



67.7890, 0.3402, 0.3077



89.7362, 0.2914, 0.3514

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.



67.7890, 0.2661, 0.3246



67.7890, 0.3402, 0.3077



67.7890, 0.3115, 0.3721

Square

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



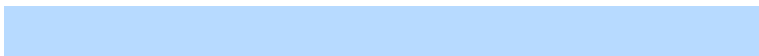
67.7890, 0.3402, 0.3077



67.7890, 0.3607, 0.3719



67.7890, 0.2848, 0.3514



67.7890, 0.2662, 0.2858

Rectangle

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



67.7890, 0.3402, 0.3077



67.7890, 0.3683, 0.3461



67.7890, 0.2848, 0.3514



67.7890, 0.2602, 0.3078

Sweetspot

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



67.7921, 0.3402, 0.3077



90.0301, 0.3192, 0.3233



66.0078, 0.2999, 0.2726



19.0481, 0.3200, 0.3227



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.



67.7921, 0.3402, 0.3077



62.3847, 0.3475, 0.3031



69.7742, 0.3553, 0.3357



18.1021, 0.3234, 0.3199



11.5921, 0.5455, 0.2779



1.1492, 0.5147, 0.2609

Inverse Universe

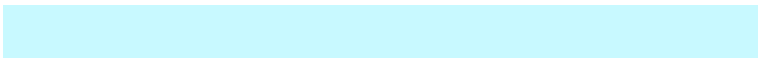
The Inverse Universe completely reimagines the original color for something new.



67.7921, 0.3402, 0.3077



62.3847, 0.3475, 0.3031



86.9925, 0.2800, 0.3222



18.1021, 0.3234, 0.3199



11.5921, 0.5455, 0.2779



1.1492, 0.5147, 0.2609

Previews

White Background



This preview shows how the Yxy color 67.7890, 0.3402, 0.3077 looks on a white background.

Color Contrast Check

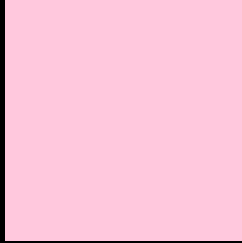
Large Text (above 18pt) WCAG AA × Fail

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 67.7890, 0.3402, 0.3077 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 67.7890, 0.3402, 0.3077

Background



This preview shows how black text looks on a background with the Yxy color 67.7890, 0.3402, 0.3077.



This preview shows how white text looks on a background with the Yxy color 67.7890, 0.3402, 0.3077.

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

67.7890, 0.3402, 0.3077

Protanopia

68.1974, 0.3034, 0.3125

Deuteranopia

67.7186, 0.3246, 0.3173



Tritanopia

67.8020, 0.3431, 0.3138

Trichromacy



Original Color

67.7890, 0.3402, 0.3077

Protanomaly

67.9149, 0.3165, 0.3108

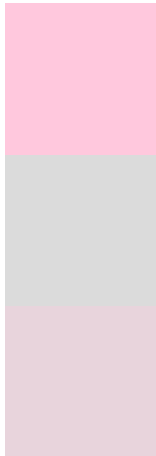
Deuteranomaly

67.7072, 0.3303, 0.3133

Tritanomaly

67.9061, 0.3416, 0.3117

Monochromacy



Original Color

67.7890, 0.3402, 0.3077

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

69.4101, 0.3220, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7890, 0.3402, 0.3077 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 221) }
```

Border

The CSS property to change the border of an element to Yxy 67.7890, 0.3402, 0.3077 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, 221) }
```

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

```
.border{ border-color:rgb(255, 200, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7890, 0.3402, 0.3077 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, 221) }
```

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

```
.background{ background-color: rgb(255,  
200, 221) }
```

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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