

Converting Colors

$Y_{xy}(70.0398, 0.3345, 0.3050)$

Have a look what the booklet for
Yxy(70.0398, 0.3345, 0.3050)
contains.

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Color

Yxy(70.0472, 0.3344, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCE4
RGB	255, 204, 228
RGB Percent	100%, 80%, 89%
CMY	0.0002, 0.1999, 0.1059
CMYK	0.00, 0.20, 0.11, 0.00
HSL	332°, 100%, 90%
HSV	332°, 20%, 100%
XYZ	76.8245, 70.0472, 82.8666
YIQ	221.9850, 22.6920, 18.2760

Conversions

Conversions Part 2

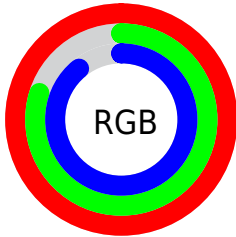
Format	Color
R _Y B	255, 204, 228
Decimal	16764132
CIE Lab	87.02, 21.70, -4.98
CIE LCh	87, 22.267, 347.076
Yxy	70.0472, 0.3344, 0.3049
Android (android.graphics.Color)	4294954212 (0xFFFFCCE4)
YUV	221.9850, 2.9654, 28.9542
Hunter-Lab	83.6942, 17.3836, -0.1178

Details

The Yxy color **70.0472, 0.3344, 0.3049** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.1033, 0.2953, 0.3544**, and the grayscale version is **73.0024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8356, 0.3393, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **58.1840, 0.3487, 0.2921**, and if you desaturate by 10%, it is **83.9590, 0.3225, 0.3173**.

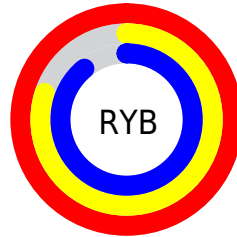
Distribution



Red (100%)

Green (80%)

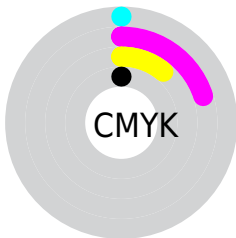
Blue (89%)



Red (100%)

Yellow (80%)

Blue (89%)

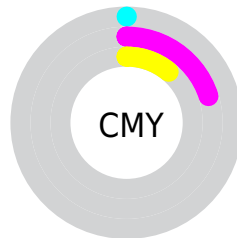


Cyan (0%)

Magenta (20%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0472, 0.3344, 0.3049 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 70.0472, 0.3344, 0.3049 by changing the saturation by 10% instead.


 70.0472, 0.3344,
0.3049

 70.0472, 0.3344,
0.3049


460.7157, 0.3244,
0.3159

 51.5650, 0.3367,
0.3024

119.2761, 0.3309,
0.3087

 36.6585, 0.3395,
0.2993

150.7915, 0.3296,
0.3102

 24.9432, 0.3431,
0.2955


187.4202, 0.3284,
0.3115

 16.0347, 0.3477,
0.2905

229.5465, 0.3274,
0.3126

 9.5487, 0.3540,
0.2837

277.5548, 0.3265,
0.3136

 5.1008, 0.3632,
0.2741


331.8295, 0.3257,


 2.3065, 0.3774,


0.3144


0.2594


392.7550, 0.3250,
0.3152


 0.7772, 0.4032,
0.2330


 0.0000, 1.0000,
0.0000

 70.0472, 0.3344,
0.3049

 70.0472, 0.3344,
0.3049

 58.1840, 0.3487,
0.2921


 83.9590, 0.3225,
0.3173

 48.2623, 0.3658,
0.2795

99.9915, 0.3127,
0.3290

 40.1794, 0.3858,
0.2677

99.9923, 0.3127,
0.3290

 33.8193, 0.4087,
0.2578

■ 29.0525, 0.4340,
0.2510

■ 25.7313, 0.4608,
0.2487

■ 23.6793, 0.4875,
0.2517

■ 22.6102, 0.5127,
0.2598

■ 22.6083, 0.5128,
0.2599

Harmonies

Analogous

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



70.0472, 0.3069, 0.2897



70.0472, 0.3344, 0.3049



70.0472, 0.3567, 0.3261

Triad

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



70.0472, 0.3344, 0.3049



70.0472, 0.3429, 0.3771



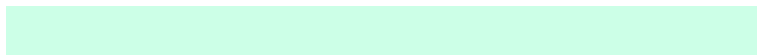
70.0472, 0.2616, 0.3055

Complementary

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



70.0472, 0.3344, 0.3049



90.1033, 0.2953, 0.3544

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.



70.0472, 0.2704, 0.3296



70.0472, 0.3344, 0.3049



70.0472, 0.3167, 0.3728

Square

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



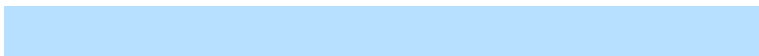
70.0472, 0.3344, 0.3049



70.0472, 0.3614, 0.3677



70.0472, 0.2903, 0.3549



70.0472, 0.2658, 0.2892

Rectangle

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



70.0472, 0.3344, 0.3049



70.0472, 0.3650, 0.3414



70.0472, 0.2903, 0.3549



70.0472, 0.2631, 0.3129

Sweetspot

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



70.0503, 0.3344, 0.3049



90.1130, 0.3184, 0.3220



67.2935, 0.2974, 0.2764



19.0677, 0.3190, 0.3213



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.



70.0503, 0.3344, 0.3049



65.0610, 0.3398, 0.2998



69.2146, 0.3525, 0.3300



18.1294, 0.3220, 0.3179



11.8472, 0.5089, 0.2577



1.1754, 0.4819, 0.2428

Inverse Universe

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



70.0503, 0.3344, 0.3049



65.0610, 0.3398, 0.2998



91.0116, 0.2827, 0.3280



18.1294, 0.3220, 0.3179



11.8472, 0.5089, 0.2577



1.1754, 0.4819, 0.2428

Previews

White Background



This preview shows how the Yxy color 70.0472, 0.3344, 0.3049 looks on a white background.

Color Contrast Check

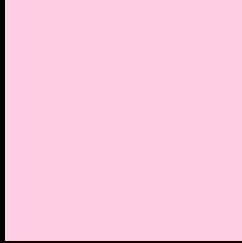
Large Text (above 18pt) WCAG AA × Fail

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 70.0472, 0.3344, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

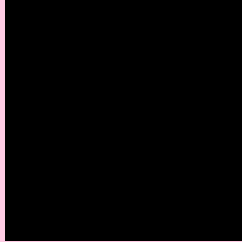
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0472, 0.3344, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 70.0472, 0.3344, 0.3049.



This preview shows how white text looks on a background with the Yxy color 70.0472, 0.3344, 0.3049.

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

70.0472, 0.3344, 0.3049

Protanopia

70.4336, 0.3003, 0.3085

Deuteranopia

70.4659, 0.3201, 0.3133



Tritanopia

69.9539, 0.3388, 0.3128

Trichromacy



Original Color

70.0472, 0.3344, 0.3049

Protanomaly

69.9591, 0.3123, 0.3068

Deuteranomaly

70.2017, 0.3255, 0.3104

Tritanomaly

70.1153, 0.3365, 0.3098

Monochromacy



Original Color

70.0472, 0.3344, 0.3049

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.4751, 0.3205, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0472, 0.3344, 0.3049 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, 204, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 228)  
}
```

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, 204, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 228) }
```

Border

The CSS property to change the border of an element to Yxy 70.0472, 0.3344, 0.3049 is called "border". The border property can be set on classes, ids or directly on the HTML element.

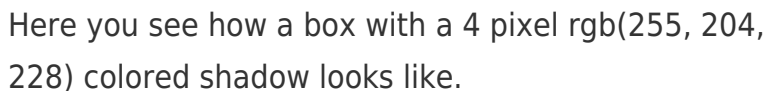
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 204, 228) }
```

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

```
.border{ border-color:rgb(255, 204, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 204, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 204, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 204, 228); box-shadow:4px 4px 4px 4px rgb(255, 204, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0472, 0.3344, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 228) }
```

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

```
.background{ background-color: rgb(255,  
204, 228) }
```

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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