

Converting Colors

$Y_{xy}(78.8774, 0.3610, 0.3040)$

Have a look what the booklet for
Yxy(78.8774, 0.3610, 0.3040)
contains.

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Color

Yxy(70.7488, 0.3314, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	FFCDE8
RGB	255, 205, 232
RGB Percent	100%, 80%, 91%
CMY	0.0000, 0.1961, 0.0903
CMYK	0.00, 0.20, 0.09, 0.00
HSL	328°, 100%, 90%
HSV	328°, 20%, 100%
XYZ	77.6363, 70.7488, 85.8825
YIQ	223.0280, 21.1330, 18.9970

Conversions

Conversions Part 2

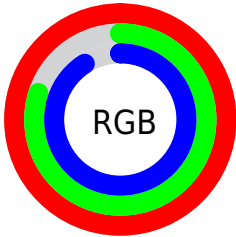
Format	Color
R _Y B	255, 205, 232
Decimal	16764392
CIE Lab	87.36, 21.86, -6.58
CIE LCh	87, 22.828, 343.252
Yxy	70.7488, 0.3314, 0.3020
Android (android.graphics.Color)	4294954472 (0xFFFFCDE8)
YUV	223.0280, 4.4232, 28.0394
Hunter-Lab	84.1123, 17.5603, -1.6592

Details

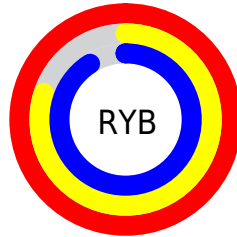
The Yxy color **70.7488, 0.3314, 0.3020** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.1034, 0.2975, 0.3577**, and the grayscale version is **73.7682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.2736, 0.3362, 0.2970** is the 20% darker color. If you saturate the color by 10%, you get **58.8820, 0.3438, 0.2875**, and if you desaturate by 10%, it is **84.6495, 0.3210, 0.3161**.

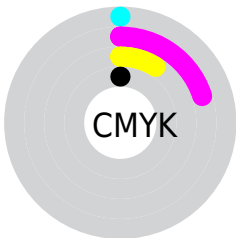
Distribution



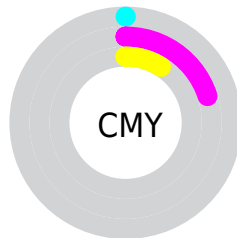
- Red (100%)
- Green (80%)
- Blue (91%)



- Red (100%)
- Yellow (80%)
- Blue (91%)



- Cyan (0%)
- Magenta (20%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7488, 0.3314, 0.3020 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 70.7488, 0.3314, 0.3020 by changing the saturation by 10% instead.


 70.7488, 0.3314,
0.3020

 70.7488, 0.3314,
0.3020


463.1748, 0.3228,
0.3143

 52.1372, 0.3333,
0.2992

120.2760, 0.3284,
0.3062

 37.1145, 0.3357,
0.2959


151.9604, 0.3273,
0.3079

 25.2961, 0.3387,
0.2916

188.7712, 0.3263,
0.3093

 16.2978, 0.3426,
0.2861

231.0927, 0.3254,
0.3106

 9.7351, 0.3479,
0.2787

279.3095, 0.3247,
0.3117

 5.2237, 0.3554,
0.2683

333.8058, 0.3240,

 2.3791, 0.3670,

0.3126

0.2525

394.9661, 0.3234,
0.3135

0.8151, 0.3872,
0.2255

0.0000, 0.6433,
0.0000

70.7488, 0.3314,
0.3020

70.7488, 0.3314,
0.3020

58.8820, 0.3438,
0.2875

84.6495, 0.3210,
0.3161

48.9502, 0.3584,
0.2731

100.0000, 0.3127,
0.3290

40.8490, 0.3754,
0.2596

34.4632, 0.3947,
0.2480

■ 29.6647, 0.4159,
0.2396

■ 26.3066, 0.4382,
0.2355

■ 24.2147, 0.4607,
0.2368

■ 23.1163, 0.4823,
0.2432

■ 23.0811, 0.4832,
0.2435

Harmonies

Analogous

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



70.7488, 0.3032, 0.2876



70.7488, 0.3314, 0.3020



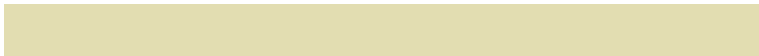
70.7488, 0.3553, 0.3230

Triad

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



70.7488, 0.3314, 0.3020



70.7488, 0.3465, 0.3777



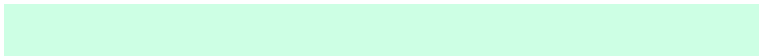
70.7488, 0.2610, 0.3077

Complementary

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



70.7488, 0.3314, 0.3020



90.1034, 0.2975, 0.3577

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.



70.7488, 0.2715, 0.3330



70.7488, 0.3314, 0.3020



70.7488, 0.3203, 0.3752

Square

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



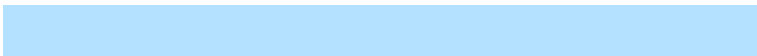
70.7488, 0.3314, 0.3020



70.7488, 0.3640, 0.3665



70.7488, 0.2929, 0.3584



70.7488, 0.2635, 0.2899

Rectangle

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



70.7488, 0.3314, 0.3020



70.7488, 0.3650, 0.3386



70.7488, 0.2929, 0.3584



70.7488, 0.2631, 0.3156

Sweetspot

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



70.7494, 0.3314, 0.3020



90.1780, 0.3177, 0.3210



67.2978, 0.2953, 0.2771



19.0830, 0.3183, 0.3202



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.



70.7494, 0.3314, 0.3020



65.2899, 0.3366, 0.2957



69.4548, 0.3498, 0.3266



18.1509, 0.3209, 0.3163



12.0909, 0.4798, 0.2417



1.1993, 0.4566, 0.2289

Inverse Universe

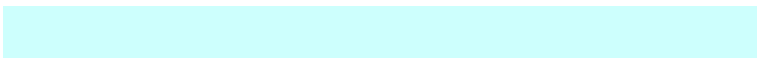
The Inverse Universe completely reimagines the original color for something new.



70.7494, 0.3314, 0.3020



65.2899, 0.3366, 0.2957



91.5599, 0.2845, 0.3315



18.1509, 0.3209, 0.3163



12.0909, 0.4798, 0.2417



1.1993, 0.4566, 0.2289

Previews

White Background



This preview shows how the Yxy color 70.7488, 0.3314, 0.3020 looks on a white background.

Color Contrast Check

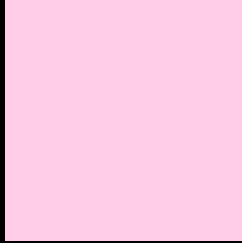
Large Text (above 18pt) WCAG AA × Fail

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 70.7488, 0.3314, 0.3020 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 70.7488, 0.3314, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 70.7488, 0.3314, 0.3020.



This preview shows how white text looks on a background with the Yxy color 70.7488, 0.3314, 0.3020.

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

70.7488, 0.3314, 0.3020

Protanopia

71.1858, 0.2978, 0.3054

Deuteranopia

71.0202, 0.3165, 0.3101



Tritanopia

71.0242, 0.3370, 0.3129

Trichromacy



Original Color

70.7488, 0.3314, 0.3020

Protanomaly

70.6918, 0.3096, 0.3038

Deuteranomaly

70.7400, 0.3219, 0.3073

Tritanomaly

70.7044, 0.3349, 0.3088

Monochromacy



Original Color

70.7488, 0.3314, 0.3020

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.2649, 0.3197, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7488, 0.3314, 0.3020 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, 205, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 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, 205, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 232) }
```

Border

The CSS property to change the border of an element to Yxy 70.7488, 0.3314, 0.3020 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, 205, 232) }
```

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

```
.border{ border-color:rgb(255, 205, 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, 205, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7488, 0.3314, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 232) }
```

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

```
.background{ background-color: rgb(255,  
205, 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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