

Converting Colors

$Y_{xy}(75.4127, 0.3312, 0.2898)$

Have a look what the booklet for
Yxy(75.4127, 0.3312, 0.2898)
contains.

Yxy(72.1799, 0.3198, 0.2876)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.1799, 0.3198, 0.2876)

Conversions

Conversions Part 1

Format	Color
Hex	FFCE F8
RGB	255, 206, 248
RGB Percent	100%, 81%, 97%
CMY	0.0000, 0.1922, 0.0273
CMYK	0.00, 0.19, 0.03, 0.00
HSL	309°, 100%, 90%
HSV	309°, 19%, 100%
XYZ	80.2612, 72.1799, 98.5321
YIQ	225.4390, 15.7220, 23.4500

Conversions

Conversions Part 2

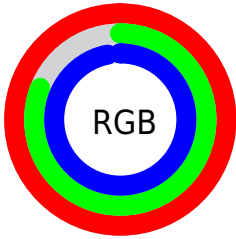
Format	Color
R _Y B	255, 206, 248
Decimal	16764664
CIE Lab	88.06, 24.09, -14.04
CIE LCh	88, 27.881, 329.752
Yxy	72.1799, 0.3198, 0.2876
Android (android.graphics.Color)	4294954744 (0xFFFFCEF8)
YUV	225.4390, 11.1226, 25.9250
Hunter-Lab	84.9588, 19.9526, -9.2913

Details

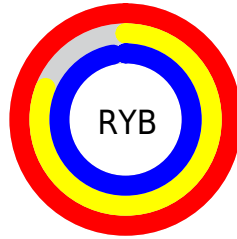
The Yxy color $72.1799, 0.3198, 0.2876$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.4439, 0.3064, 0.3742$, and the grayscale version is $75.5378, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.9448, 0.3209, 0.2776$ is the 20% darker color. If you saturate the color by 10%, you get $60.6599, 0.3242, 0.2656$, and if you desaturate by 10%, it is $85.6973, 0.3159, 0.3095$.

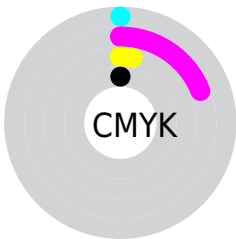
Distribution



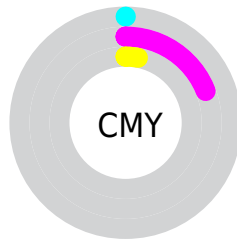
- Red (100%)
- Green (81%)
- Blue (97%)



- Red (100%)
- Yellow (81%)
- Blue (97%)



- Cyan (0%)
- Magenta (19%)
- Yellow (3%)
- Black (0%)





- Cyan (0%)
- Magenta (19%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1799, 0.3198, 0.2876 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 72.1799, 0.3198, 0.2876 by changing the saturation by 10% instead.


 72.1799, 0.3198,
0.2876

 72.1799, 0.3198,
0.2876


468.1675, 0.3168,
0.3061

 53.3056, 0.3204,
0.2835


122.3123, 0.3188,
0.2939

 38.0468, 0.3211,
0.2786


154.3392, 0.3184,
0.2964

 26.0190, 0.3220,
0.2724


191.5191, 0.3181,
0.2985

 16.8379, 0.3231,
0.2645

234.2364, 0.3178,
0.3004

 10.1190, 0.3244,
0.2541

282.8755, 0.3175,
0.3021

 5.4779, 0.3260,
0.2397

337.8208, 0.3172,

 2.5303, 0.3280,

0.3036

0.2188

399.4567, 0.3170,
0.3049

0.8918, 0.3300,
0.1855

0.0000, 0.3390,
0.0000

72.1799, 0.3198,
0.2876

72.1799, 0.3198,
0.2876

60.6599, 0.3242,
0.2656

85.6973, 0.3159,
0.3095

51.0394, 0.3290,
0.2441

100.0000, 0.3127,
0.3290

43.2150, 0.3343,
0.2241

37.0732, 0.3397,
0.2066

■ 32.4870, 0.3453,
0.1925

■ 29.3117, 0.3508,
0.1827

■ 27.3752, 0.3560,
0.1775

■ 26.4185, 0.3609,
0.1764

■ 26.3602, 0.3613,
0.1764

Harmonies

Analogous

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



72.1799, 0.2866, 0.2753



72.1799, 0.3198, 0.2876



72.1799, 0.3526, 0.3096

Triad

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



72.1799, 0.3198, 0.2876



72.1799, 0.3648, 0.3835



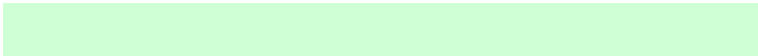
72.1799, 0.2542, 0.3159

Complementary

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



72.1799, 0.3198, 0.2876



89.4439, 0.3064, 0.3742

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.



72.1799, 0.2731, 0.3484



72.1799, 0.3198, 0.2876



72.1799, 0.3366, 0.3891

Square

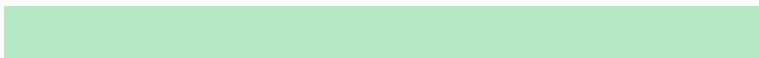
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



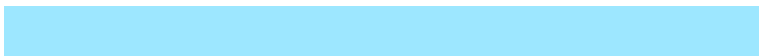
72.1799, 0.3198, 0.2876



72.1799, 0.3792, 0.3638



72.1799, 0.3030, 0.3762



72.1799, 0.2502, 0.2896

Rectangle

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



72.1799, 0.3198, 0.2876



72.1799, 0.3692, 0.3275



72.1799, 0.3030, 0.3762



72.1799, 0.2590, 0.3265

Sweetspot

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



72.1806, 0.3198, 0.2876



90.4843, 0.3147, 0.3164



65.4376, 0.2850, 0.2766



19.1555, 0.3150, 0.3150



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.



72.1806, 0.3198, 0.2876



67.5922, 0.3214, 0.2792



70.7814, 0.3372, 0.3109



18.2533, 0.3160, 0.3089



13.7908, 0.3606, 0.1760



1.3544, 0.3553, 0.1731

Inverse Universe

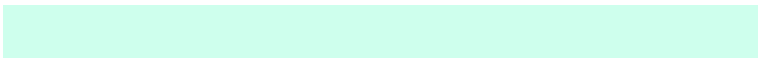
The Inverse Universe completely reimagines the original color for something new.



72.1806, 0.3198, 0.2876



67.5922, 0.3214, 0.2792



90.7578, 0.2932, 0.3479



18.2533, 0.3160, 0.3089



13.7908, 0.3606, 0.1760



1.3544, 0.3553, 0.1731

Previews

White Background



This preview shows how the Yxy color 72.1799, 0.3198, 0.2876 looks on a white background.

Color Contrast Check

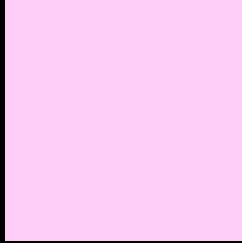
Large Text (above 18pt) WCAG AA × Fail

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 72.1799, 0.3198, 0.2876 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 72.1799, 0.3198, 0.2876

Background



This preview shows how black text looks on a background with the Yxy color 72.1799, 0.3198, 0.2876.



This preview shows how white text looks on a background with the Yxy color 72.1799, 0.3198, 0.2876.

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

72.1799, 0.3198, 0.2876

Protanopia

72.3301, 0.2873, 0.2910

Deuteranopia

72.2436, 0.3036, 0.2968



Tritanopia

72.2796, 0.3329, 0.3128

Trichromacy



Original Color

72.1799, 0.3198, 0.2876



Protanomaly

71.9444, 0.2991, 0.2898



Deuteranomaly

72.3276, 0.3094, 0.2934



Tritanomaly

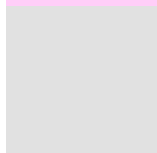
72.4241, 0.3280, 0.3039

Monochromacy



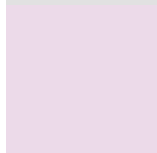
Original Color

72.1799, 0.3198, 0.2876



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

73.8589, 0.3156, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1799, 0.3198, 0.2876 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 248) }
```

Border

The CSS property to change the border of an element to Yxy 72.1799, 0.3198, 0.2876 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, 248) }
```

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

```
.border{ border-color:rgb(255, 206, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1799, 0.3198, 0.2876 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, 248) }
```

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

```
.background{ background-color: rgb(255,  
206, 248) }
```

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