

Converting Colors

$Y_{xy}(70.2017, 0.3093, 0.2783)$

Have a look what the booklet for
Yxy(70.2017, 0.3093, 0.2783)
contains.

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Color

Yxy(70.1799, 0.3093, 0.2782)

Conversions

Conversions Part 1

Format	Color
Hex	F7CCFF
RGB	247, 204, 255
RGB Percent	97%, 80%, 100%
CMY	0.0310, 0.2001, 0.0000
CMYK	0.03, 0.20, 0.00, 0.00
HSL	291°, 100%, 90%
HSV	291°, 20%, 100%
XYZ	78.0253, 70.1799, 104.0590
YIQ	222.6710, 9.2570, 24.9770

Conversions

Conversions Part 2

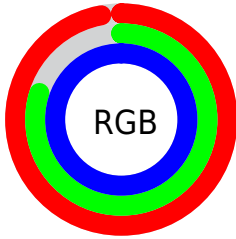
Format	Color
R _Y B	247, 204, 255
Decimal	16239871
CIE Lab	87.09, 23.84, -19.27
CIE LCh	87, 30.651, 321.049
Yxy	70.1799, 0.3093, 0.2782
Android (android.graphics.Color)	4294429951 (0xFFFF7CCFF)
YUV	222.6710, 15.9382, 21.3365
Hunter-Lab	83.7734, 19.6487, -15.0055

Details

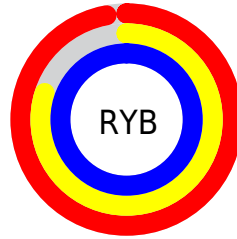
The Yxy color $70.1799, 0.3093, 0.2782$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.8581, 0.3150, 0.3837$, and the grayscale version is $73.4317, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.8371, 0.3079, 0.2680$ is the 20% darker color. If you saturate the color by 10%, you get $58.3264, 0.3070, 0.2519$, and if you desaturate by 10%, it is $84.0362, 0.3112, 0.3041$.

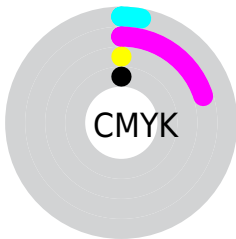
Distribution



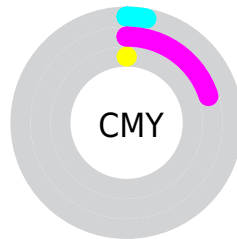
- Red (97%)
- Green (80%)
- Blue (100%)



- Red (97%)
- Yellow (80%)
- Blue (100%)



- Cyan (3%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1799, 0.3093, 0.2782 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 70.1799, 0.3093, 0.2782 by changing the saturation by 10% instead.

 70.1799, 0.3093,
0.2782

 70.1799, 0.3093,
0.2782

461.1814, 0.3113,
0.3009

 51.6732, 0.3088,
0.2732


119.4653, 0.3100,
0.2859

 36.7447, 0.3081,
0.2672


151.0127, 0.3103,
0.2890

 25.0099, 0.3071,
0.2596


187.6759, 0.3105,
0.2916

 16.0844, 0.3058,
0.2501

229.8392, 0.3107,
0.2939

 9.5839, 0.3039,
0.2375

277.8870, 0.3109,
0.2960

 5.1240, 0.3007,
0.2202


332.2037, 0.3110,


 2.3202, 0.2953,


0.2978


0.1954


393.1737, 0.3112,
0.2994

 0.7844, 0.2844,
0.1564


 0.0000, 0.2165,
0.0000

 70.1799, 0.3093,
0.2782


 70.1799, 0.3093,
0.2782

 58.3264, 0.3070,
0.2519


 84.0362, 0.3112,
0.3041

 48.3742, 0.3042,
0.2261

99.9804, 0.3127,
0.3290

 40.2205, 0.3010,
0.2016

100.0000, 0.3127,
0.3290

 33.7503, 0.2974,
0.1797

■ 28.8356, 0.2935,
0.1614

■ 25.3298, 0.2894,
0.1473

■ 23.0581, 0.2853,
0.1378

■ 21.7356, 0.2812,
0.1323

Harmonies

Analogous

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



70.1799, 0.2745, 0.2683



70.1799, 0.3093, 0.2782



70.1799, 0.3471, 0.2997

Triad

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



70.1799, 0.3093, 0.2782



70.1799, 0.3770, 0.3841



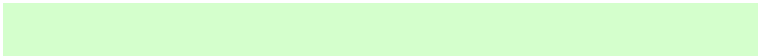
70.1799, 0.2526, 0.3244

Complementary

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



70.1799, 0.3093, 0.2782



89.8581, 0.3150, 0.3837

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.



70.1799, 0.2774, 0.3607



70.1799, 0.3093, 0.2782



70.1799, 0.3492, 0.3961

Square

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



70.1799, 0.3093, 0.2782



70.1799, 0.3874, 0.3589



70.1799, 0.3126, 0.3880



70.1799, 0.2433, 0.2924

Rectangle

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



70.1799, 0.3093, 0.2782



70.1799, 0.3683, 0.3183



70.1799, 0.3126, 0.3880



70.1799, 0.2593, 0.3366

Sweetspot

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



70.1815, 0.3093, 0.2782



90.1764, 0.3119, 0.3142



67.3783, 0.2798, 0.2830



19.0825, 0.3118, 0.3126



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.



70.1815, 0.3093, 0.2782



65.2187, 0.3084, 0.2677



70.6042, 0.3271, 0.2951



18.1493, 0.3113, 0.3054



11.4110, 0.2819, 0.1327



1.1478, 0.2866, 0.1352

Inverse Universe

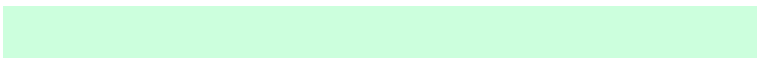
The Inverse Universe completely reimagines the original color for something new.



69.1794, 0.3466, 0.3210



64.0803, 0.3553, 0.3193



89.5726, 0.3007, 0.3655



18.0330, 0.3270, 0.3253



11.2008, 0.6187, 0.3182



1.1033, 0.5914, 0.3032

Previews

White Background



This preview shows how the Yxy color 70.1799, 0.3093, 0.2782 looks on a white background.

Color Contrast Check

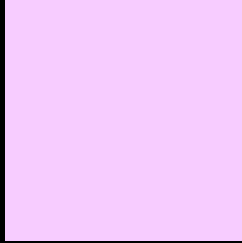
Large Text (above 18pt) WCAG AA × Fail

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 70.1799, 0.3093, 0.2782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

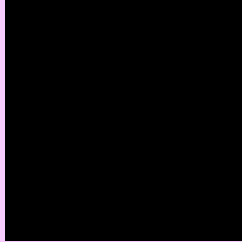
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1799, 0.3093, 0.2782

Background



This preview shows how black text looks on a background with the Yxy color 70.1799, 0.3093, 0.2782.



This preview shows how white text looks on a background with the Yxy color 70.1799, 0.3093, 0.2782.

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

70.1799, 0.3093, 0.2782

Protanopia

70.5473, 0.2840, 0.2885

Deuteranopia

70.3683, 0.2936, 0.2872



Tritanopia

70.1466, 0.3263, 0.3114

Trichromacy



Original Color

70.1799, 0.3093, 0.2782



Protanomaly

69.9949, 0.2924, 0.2841



Deuteranomaly

70.4047, 0.2992, 0.2838



Tritanomaly

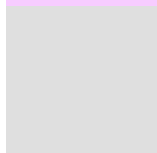
69.9732, 0.3194, 0.2983

Monochromacy



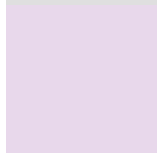
Original Color

70.1799, 0.3093, 0.2782



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

72.2657, 0.3115, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1799, 0.3093, 0.2782 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(247, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 204, 255)  
}
```

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(247, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.1799, 0.3093, 0.2782 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(247, 204, 255) }
```

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

```
.border{ border-color:rgb(247, 204, 255) }
```

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

Here you see how a box with a 4 pixel rgb(247, 204, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1799, 0.3093, 0.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 204, 255) }
```

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

```
.background{ background-color: rgb(247,  
204, 255) }
```

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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