

Converting Colors

$Y_{xy}(74.6037, 0.2753, 0.2359)$

Have a look what the booklet for
Yxy(74.6037, 0.2753, 0.2359)
contains.

Yxy(70.5957, 0.3070, 0.2799)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.5957, 0.3070, 0.2799)

Conversions

Conversions Part 1

Format	Color
Hex	F4CEFF
RGB	244, 206, 255
RGB Percent	96%, 81%, 100%
CMY	0.0432, 0.1921, 0.0000
CMYK	0.04, 0.19, 0.00, 0.00
HSL	287°, 100%, 90%
HSV	287°, 19%, 100%
XYZ	77.4308, 70.5957, 104.1911
YIQ	222.9480, 6.9190, 23.2950

Conversions

Conversions Part 2

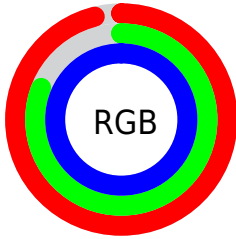
Format	Color
RYB	244, 206, 255
Decimal	16043775
CIELab	87.29, 21.77, -19.00
CIElCh	87, 28.896, 318.883
Yxy	70.5957, 0.3070, 0.2799
Android (android.graphics.Color)	4294233855 (0xFFFF4CEFF)
YUV	222.9480, 15.8016, 18.4626
Hunter-Lab	84.0212, 17.4617, -14.7081

Details

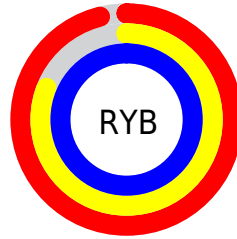
The Yxy color $70.5957, 0.3070, 0.2799$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $90.7316, 0.3171, 0.3809$, and the grayscale version is $73.6333, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.0985, 0.3051, 0.2700$ is the 20% darker color. If you saturate the color by 10%, you get $58.2878, 0.3032, 0.2531$, and if you desaturate by 10%, it is $84.9273, 0.3103, 0.3061$.

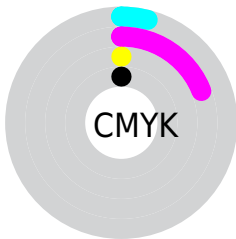
Distribution



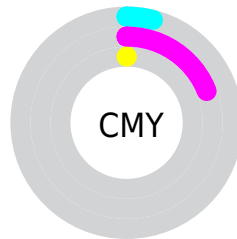
- Red (96%)
- Green (81%)
- Blue (100%)



- Red (96%)
- Yellow (81%)
- Blue (100%)



- Cyan (4%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5957, 0.3070, 0.2799 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 70.5957, 0.3070, 0.2799 by changing the saturation by 10% instead.

 70.5957, 0.3070,
0.2799

 70.5957, 0.3070,
0.2799


462.6389, 0.3100,
0.3019

 52.0123, 0.3062,
0.2751


120.0579, 0.3081,
0.2874

 37.0149, 0.3053,
0.2692


151.7055, 0.3085,
0.2903

 25.2190, 0.3040,
0.2619


188.4766, 0.3089,
0.2929

 16.2403, 0.3023,
0.2526

230.7556, 0.3091,
0.2951

 9.6944, 0.2997,
0.2403

278.9270, 0.3094,
0.2971

 5.1968, 0.2958,
0.2235

333.3750, 0.3096,

 2.3632, 0.2893,

0.2989

0.1992

394.4842, 0.3098,
0.3004

0.8068, 0.2766,
0.1611

0.0000, 0.1971,
0.0000

70.5957, 0.3070,
0.2799

70.5957, 0.3070,
0.2799

58.2878, 0.3032,
0.2531

84.9273, 0.3103,
0.3061

47.9072, 0.2987,
0.2264

100.0000, 0.3127,
0.3290

39.3499, 0.2936,
0.2007

32.5019, 0.2880,
0.1772

■ 27.2361, 0.2821,
0.1570

■ 23.4074, 0.2760,
0.1411

■ 20.8435, 0.2699,
0.1299

■ 19.2852, 0.2639,
0.1230

■ 19.1804, 0.2635,
0.1225

Harmonies

Analogous

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



70.5957, 0.2747, 0.2715



70.5957, 0.3070, 0.2799



70.5957, 0.3427, 0.2996

Triad

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



70.5957, 0.3070, 0.2799



70.5957, 0.3746, 0.3797



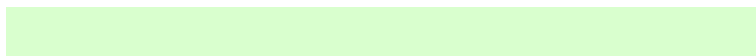
70.5957, 0.2572, 0.3273

Complementary

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



70.5957, 0.3070, 0.2799



90.7316, 0.3171, 0.3809

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.



70.5957, 0.2817, 0.3610



70.5957, 0.3070, 0.2799



70.5957, 0.3494, 0.3918

Square

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



70.5957, 0.3070, 0.2799



70.5957, 0.3829, 0.3554



70.5957, 0.3153, 0.3855



70.5957, 0.2472, 0.2965

Rectangle

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



70.5957, 0.3070, 0.2799



70.5957, 0.3631, 0.3170



70.5957, 0.3153, 0.3855



70.5957, 0.2639, 0.3388

Sweetspot

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



70.5957, 0.3070, 0.2799



89.9771, 0.3112, 0.3142



70.1944, 0.2814, 0.2887



19.0353, 0.3110, 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.



70.5957, 0.3070, 0.2799



65.7021, 0.3056, 0.2698



71.8124, 0.3241, 0.2934



18.0823, 0.3102, 0.3053



10.0918, 0.2644, 0.1230



1.0307, 0.2712, 0.1267

Inverse Universe

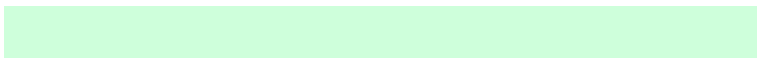
The Inverse Universe completely reimagines the original color for something new.



70.4163, 0.3424, 0.3179



65.5280, 0.3498, 0.3156



89.7609, 0.3030, 0.3675



18.0540, 0.3259, 0.3237



11.2832, 0.6011, 0.3085



1.1142, 0.5704, 0.2916

Previews

White Background



This preview shows how the Yxy color 70.5957, 0.3070, 0.2799 looks on a white background.

Color Contrast Check

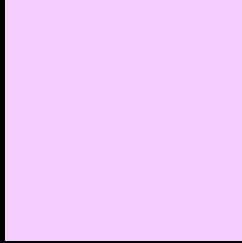
Large Text (above 18pt) WCAG AA × Fail

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 70.5957, 0.3070, 0.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

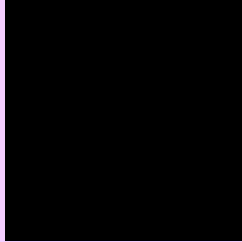
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5957, 0.3070, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 70.5957, 0.3070, 0.2799.



This preview shows how white text looks on a background with the Yxy color 70.5957, 0.3070, 0.2799.

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

70.5957, 0.3070, 0.2799

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

71.0962, 0.2937, 0.2873



Tritanopia

70.6598, 0.3231, 0.3124

Trichromacy



Original Color

70.5957, 0.3070, 0.2799

Protanomaly

70.4965, 0.2924, 0.2852

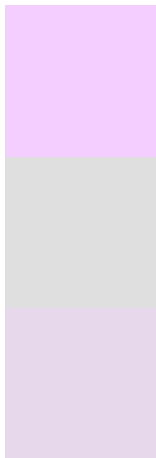
Deuteranomaly

70.7332, 0.2985, 0.2848

Tritanomaly

70.4161, 0.3170, 0.3002

Monochromacy



Original Color

70.5957, 0.3070, 0.2799

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.6128, 0.3107, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5957, 0.3070, 0.2799 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(244, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 206, 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(244, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.5957, 0.3070, 0.2799 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(244, 206, 255) }
```

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

```
.border{ border-color:rgb(244, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5957, 0.3070, 0.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 206, 255) }
```

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

```
.background{ background-color: rgb(244,  
206, 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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