

Converting Colors

$Y_{xy}(69.9150, 0.3051, 0.2792)$

Have a look what the booklet for
Yxy(69.9150, 0.3051, 0.2792)
contains.

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Color

Yxy(70.0634, 0.3049, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	F1CEFF
RGB	241, 206, 255
RGB Percent	95%, 81%, 100%
CMY	0.0548, 0.1922, 0.0000
CMYK	0.05, 0.19, 0.00, 0.00
HSL	283°, 100%, 90%
HSV	283°, 19%, 100%
XYZ	76.4032, 70.0634, 104.1178
YIQ	222.0510, 5.1310, 22.6590

Conversions

Conversions Part 2

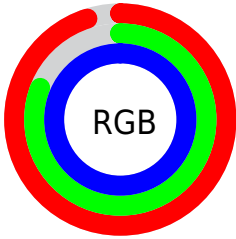
Format	Color
R_{YB}	241, 206, 255
Decimal	15847167
CIE _{Lab}	87.03, 20.82, -19.40
CIE _{LCh}	87, 28.457, 317.010
Yxy	70.0634, 0.3049, 0.2796
Android (android.graphics.Color)	4294037247 (0xFFFF1CEFF)
YUV	222.0510, 16.2439, 16.6183
Hunter-Lab	83.7039, 16.4493, -15.1571

Details

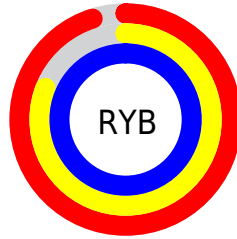
The Yxy color **70.0634, 0.3049, 0.2796** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.1884, 0.3190, 0.3806**, and the grayscale version is **72.9673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8480, 0.3032, 0.2697** is the 20% darker color. If you saturate the color by 10%, you get **57.5126, 0.2997, 0.2523**, and if you desaturate by 10%, it is **84.6608, 0.3093, 0.3060**.

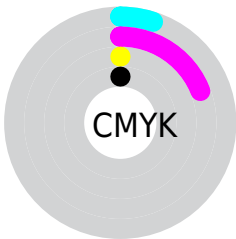
Distribution



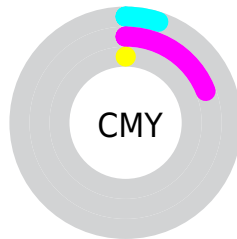
- Red (95%)
- Green (81%)
- Blue (100%)



- Red (95%)
- Yellow (81%)
- Blue (100%)



- Cyan (5%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0634, 0.3049, 0.2796 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 70.0634, 0.3049, 0.2796 by changing the saturation by 10% instead.


 70.0634, 0.3049,
0.2796

 70.0634, 0.3049,
0.2796


460.7726, 0.3089,
0.3017

 51.5782, 0.3039,
0.2747


119.2992, 0.3063,
0.2871

 36.6690, 0.3027,
0.2688


150.8185, 0.3069,
0.2901

 24.9513, 0.3011,
0.2614


187.4514, 0.3073,
0.2927

 16.0408, 0.2989,
0.2520

229.5823, 0.3077,
0.2949

 9.5530, 0.2958,
0.2396

277.5954, 0.3081,
0.2969

 5.1036, 0.2910,
0.2225

331.8752, 0.3084,

 2.3082, 0.2831,

0.2987

0.1978

392.8062, 0.3086,
0.3003

0.7780, 0.2684,
0.1586

0.0000, 0.1636,
0.0000

70.0634, 0.3049,
0.2796

70.0634, 0.3049,
0.2796

57.5126, 0.2997,
0.2523

84.6608, 0.3093,
0.3060

46.9061, 0.2937,
0.2248

100.0000, 0.3127,
0.3290

38.1416, 0.2870,
0.1982

31.1046, 0.2797,
0.1736

■ 25.6677, 0.2720,
0.1522

■ 21.6855, 0.2641,
0.1350

■ 18.9855, 0.2564,
0.1226

■ 17.3077, 0.2490,
0.1147

■ 17.1947, 0.2484,
0.1142

Harmonies

Analogous

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



70.0634, 0.2735, 0.2721



70.0634, 0.3049, 0.2796



70.0634, 0.3402, 0.2985

Triad

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



70.0634, 0.3049, 0.2796



70.0634, 0.3749, 0.3779



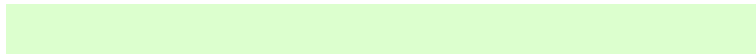
70.0634, 0.2590, 0.3294

Complementary

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



70.0634, 0.3049, 0.2796



91.1884, 0.3190, 0.3806

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.



70.0634, 0.2839, 0.3625



70.0634, 0.3049, 0.2796



70.0634, 0.3509, 0.3907

Square

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



70.0634, 0.3049, 0.2796



70.0634, 0.3819, 0.3534



70.0634, 0.3174, 0.3857



70.0634, 0.2482, 0.2986

Rectangle

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



70.0634, 0.3049, 0.2796



70.0634, 0.3608, 0.3155



70.0634, 0.3174, 0.3857



70.0634, 0.2660, 0.3408

Sweetspot

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



70.0653, 0.3049, 0.2796



89.8051, 0.3106, 0.3142



71.8950, 0.2816, 0.2922



18.9946, 0.3103, 0.3125



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.



70.0653, 0.3049, 0.2796



65.0812, 0.3030, 0.2694



72.0060, 0.3218, 0.2903



18.0247, 0.3092, 0.3052



9.0642, 0.2496, 0.1149



0.9380, 0.2580, 0.1195

Inverse Universe

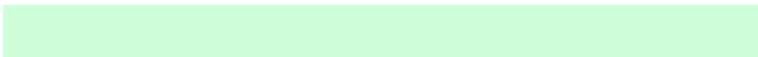
The Inverse Universe completely reimagines the original color for something new.



70.5674, 0.3402, 0.3149



65.7063, 0.3470, 0.3120



89.5888, 0.3048, 0.3711



18.0723, 0.3249, 0.3222



11.3805, 0.5820, 0.2980



1.1259, 0.5500, 0.2804

Previews

White Background



This preview shows how the Yxy color 70.0634, 0.3049, 0.2796 looks on a white background.

Color Contrast Check

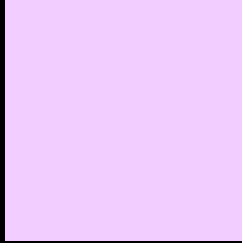
Large Text (above 18pt) WCAG AA × Fail

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 70.0634, 0.3049, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

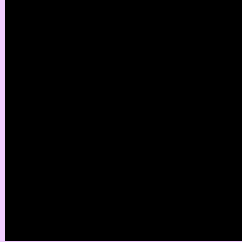
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

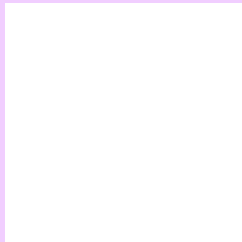
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0634, 0.3049, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 70.0634, 0.3049, 0.2796.

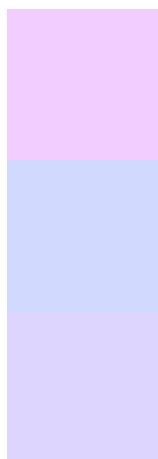


This preview shows how white text looks on a background with the Yxy color 70.0634, 0.3049, 0.2796.

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

70.0634, 0.3049, 0.2796

Protanopia

70.5473, 0.2840, 0.2885

Deuteranopia

70.2739, 0.2923, 0.2861



Tritanopia

70.1391, 0.3209, 0.3122

Trichromacy



Original Color

70.0634, 0.3049, 0.2796

Protanomaly

70.1807, 0.2911, 0.2850

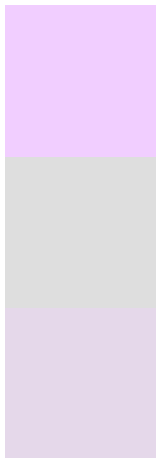
Deuteranomaly

69.9070, 0.2971, 0.2835

Tritanomaly

69.8925, 0.3148, 0.3000

Monochromacy



Original Color

70.0634, 0.3049, 0.2796

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.7103, 0.3100, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0634, 0.3049, 0.2796 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(241, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.0634, 0.3049, 0.2796 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(241, 206, 255) }
```

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

```
.border{ border-color:rgb(241, 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(241, 206, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 206,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.0634, 0.3049, 0.2796$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 206, 255) }
```

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

```
.background{ background-color: rgb(241,  
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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