

Converting Colors

$Y_{xy}(70.5076, 0.3053, 0.2871)$

Have a look what the booklet for
Yxy(70.5076, 0.3053, 0.2871)
contains.

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Color

Yxy(70.5076, 0.3053, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	EDD1FA
RGB	237, 209, 250
RGB Percent	93%, 82%, 98%
CMY	0.0706, 0.1804, 0.0196
CMYK	0.05, 0.16, 0.00, 0.02
HSL	281°, 80%, 90%
HSV	281°, 16%, 98%
XYZ	74.9773, 70.5076, 100.1007
YIQ	222.0460, 3.5270, 18.6870

Conversions

Conversions Part 2

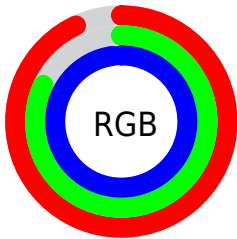
Format	Color
R_{YB}	237, 209, 250
Decimal	15585786
CIE _{Lab}	87.25, 16.97, -16.46
CIE _{LCh}	87, 23.642, 315.868
Yxy	70.5076, 0.3053, 0.2871
Android (android.graphics.Color)	4293775866 (0xFFEDD1FA)
YUV	222.0460, 13.7813, 13.1147
Hunter-Lab	83.9688, 12.4405, -11.9025

Details

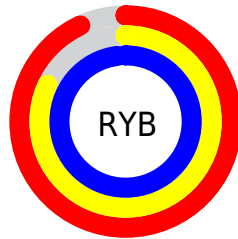
The Yxy color $70.5076, 0.3053, 0.2871$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.5100, 0.3189, 0.3723$, and the grayscale version is $72.9811, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.7852, 0.3038, 0.2777$ is the 20% darker color. If you saturate the color by 10%, you get $57.8536, 0.2997, 0.2598$, and if you desaturate by 10%, it is $85.1529, 0.3101, 0.3132$.

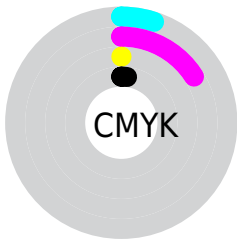
Distribution



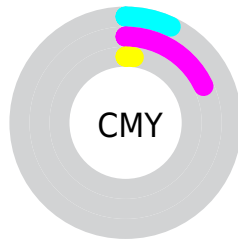
- Red (93%)
- Green (82%)
- Blue (98%)



- Red (93%)
- Yellow (82%)
- Blue (98%)



- Cyan (5%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)




- Cyan (7%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5076, 0.3053, 0.2871 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 70.5076, 0.3053, 0.2871 by changing the saturation by 10% instead.

 70.5076, 0.3053,
0.2871

 70.5076, 0.3053,
0.2871

462.3303, 0.3090,
0.3060

 51.9405, 0.3044,
0.2829

119.9323, 0.3066,
0.2936

 36.9576, 0.3033,
0.2778


151.5587, 0.3071,
0.2961

 25.1747, 0.3018,
0.2714


188.3070, 0.3075,
0.2983

 16.2072, 0.2998,
0.2632

230.5615, 0.3079,
0.3002

 9.6709, 0.2971,
0.2523

278.7067, 0.3082,
0.3019

 5.1813, 0.2928,
0.2372

333.1270, 0.3085,

 2.3540, 0.2858,

0.3034

0.2150

394.2067, 0.3088,
0.3048

0.8021, 0.2727,
0.1788

0.0000, 0.1319,
0.0000

70.5076, 0.3053,
0.2871

70.5076, 0.3053,
0.2871

57.8536, 0.2997,
0.2598

85.1529, 0.3101,
0.3132

47.0917, 0.2931,
0.2320

99.2791, 0.3143,
0.3338

38.1274, 0.2858,
0.2046

99.6823, 0.3156,
0.3338

30.8544, 0.2778,
0.1787

■ 25.1551, 0.2692,
0.1556

■ 20.8962, 0.2605,
0.1364

■ 17.9219, 0.2518,
0.1220

■ 16.0375, 0.2436,
0.1126

■ 15.5182, 0.2407,
0.1100

Harmonies

Analogous

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



70.5076, 0.2792, 0.2814



70.5076, 0.3053, 0.2871



70.5076, 0.3345, 0.3027

Triad

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



70.5076, 0.3053, 0.2871



70.5076, 0.3648, 0.3693



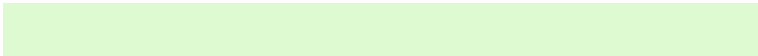
70.5076, 0.2686, 0.3307

Complementary

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



70.5076, 0.3053, 0.2871



88.5100, 0.3189, 0.3723

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.



70.5076, 0.2899, 0.3575



70.5076, 0.3053, 0.2871



70.5076, 0.3456, 0.3799

Square

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



70.5076, 0.3053, 0.2871



70.5076, 0.3698, 0.3489



70.5076, 0.3180, 0.3760



70.5076, 0.2588, 0.3049

Rectangle

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



70.5076, 0.3053, 0.2871



70.5076, 0.3517, 0.3170



70.5076, 0.3180, 0.3760



70.5076, 0.2746, 0.3400

Sweetspot

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



70.5106, 0.3053, 0.2871



91.3735, 0.3107, 0.3167



73.0606, 0.2865, 0.2997



19.3076, 0.3104, 0.3149



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.



70.5106, 0.3053, 0.2871



68.7229, 0.3034, 0.2773



72.4118, 0.3193, 0.2948



17.2321, 0.3087, 0.3053



8.3116, 0.2420, 0.1107



0.8265, 0.2516, 0.1159

Inverse Universe

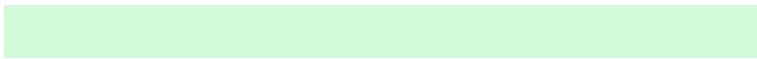
The Inverse Universe completely reimagines the original color for something new.



71.2057, 0.3344, 0.3157



69.6233, 0.3403, 0.3126



86.8790, 0.3067, 0.3658



17.3160, 0.3244, 0.3215



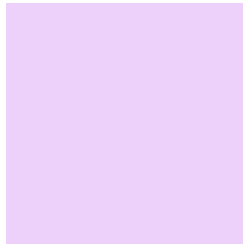
11.1058, 0.5703, 0.2915



1.0470, 0.5368, 0.2731

Previews

White Background



This preview shows how the Yxy color 70.5076, 0.3053, 0.2871 looks on a white background.

Color Contrast Check

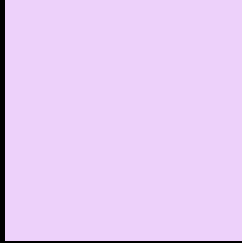
Large Text (above 18pt) WCAG AA × Fail

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 70.5076, 0.3053, 0.2871 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

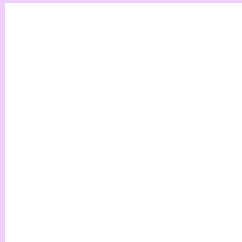
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.5076, 0.3053, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 70.5076, 0.3053, 0.2871.

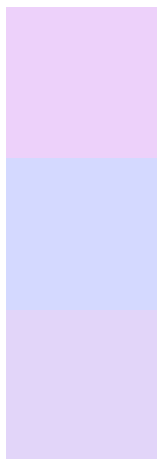


This preview shows how white text looks on a background with the Yxy color 70.5076, 0.3053, 0.2871.

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

70.5076, 0.3053, 0.2871

Protanopia

70.8428, 0.2853, 0.2886

Deuteranopia

70.5968, 0.2982, 0.2914



Tritanopia

70.7381, 0.3172, 0.3122

Trichromacy



Original Color

70.5076, 0.3053, 0.2871

Protanomaly

70.5571, 0.2923, 0.2881

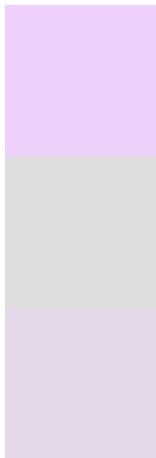
Deuteranomaly

70.7495, 0.3010, 0.2906

Tritanomaly

70.8636, 0.3125, 0.3030

Monochromacy



Original Color

70.5076, 0.3053, 0.2871

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.7828, 0.3099, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5076, 0.3053, 0.2871 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(237, 209, 250)` looks like.

```
.text, #text, p{  
    color:rgb(237, 209, 250)  
}
```

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(237, 209, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 209, 250) }
```

Border

The CSS property to change the border of an element to Yxy 70.5076, 0.3053, 0.2871 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(237, 209, 250) }
```

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

```
.border{ border-color:rgb(237, 209, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 209, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 209, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 209, 250);  
box-shadow:4px 4px 4px 4px rgb(237, 209,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5076, 0.3053, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 209, 250) }
```

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

```
.background{ background-color: rgb(237,  
209, 250) }
```

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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