

Converting Colors

$Y_{xy}(71.0134, 0.3006, 0.2869)$

Have a look what the booklet for
Yxy(71.0134, 0.3006, 0.2869)
contains.

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Color

Yxy(70.7726, 0.3005, 0.2868)

Conversions

Conversions Part 1

Format	Color
Hex	E8D3FC
RGB	232, 211, 252
RGB Percent	91%, 83%, 99%
CMY	0.0900, 0.1726, 0.0118
CMYK	0.08, 0.16, 0.00, 0.01
HSL	271°, 87%, 91%
HSV	271°, 16%, 99%
XYZ	74.1533, 70.7726, 101.8405
YIQ	221.9530, -0.6450, 17.2030

Conversions

Conversions Part 2

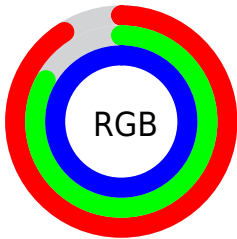
Format	Color
R _Y B	232, 211, 252
Decimal	15258620
CIE Lab	87.37, 14.71, -17.36
CIE LCh	87, 22.756, 310.283
Yxy	70.7726, 0.3005, 0.2868
Android (android.graphics.Color)	4293448700 (0xFFE8D3FC)
YUV	221.9530, 14.8132, 8.8112
Hunter-Lab	84.1265, 10.1176, -12.8858

Details

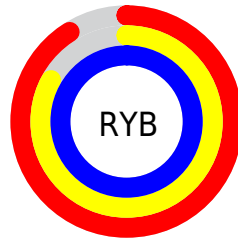
The Yxy color $70.7726, 0.3005, 0.2868$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $91.2974, 0.3234, 0.3714$, and the grayscale version is $72.9110, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.9472, 0.2975, 0.2773$ is the 20% darker color. If you saturate the color by 10%, you get $57.2406, 0.2913, 0.2584$, and if you desaturate by 10%, it is $86.4163, 0.3084, 0.3134$.

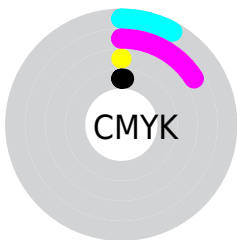
Distribution



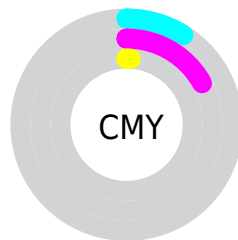
- Red (91%)
- Green (83%)
- Blue (99%)



- Red (91%)
- Yellow (83%)
- Blue (99%)



- Cyan (8%)
- Magenta (16%)
- Yellow (0%)
- Black (1%)




- Cyan (9%)
- Magenta (17%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7726, 0.3005, 0.2868 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 70.7726, 0.3005, 0.2868 by changing the saturation by 10% instead.

 70.7726, 0.3005,
0.2868

 70.7726, 0.3005,
0.2868


463.2581, 0.3064,
0.3058

 52.1566, 0.2991,
0.2826

120.3099, 0.3026,
0.2933

 37.1299, 0.2974,
0.2774


152.0000, 0.3034,
0.2959

 25.3081, 0.2952,
0.2709


188.8169, 0.3040,
0.2981

 16.3068, 0.2922,
0.2627

231.1451, 0.3046,
0.3000

 9.7415, 0.2881,
0.2517

279.3689, 0.3052,
0.3017

 5.2279, 0.2820,
0.2364

333.8728, 0.3056,

 2.3816, 0.2723,

0.3033

0.2139

395.0410, 0.3060,
0.3046

0.8164, 0.2547,
0.1776

0.0000, 0.0846,
0.0000

70.7726, 0.3005,
0.2868

70.7726, 0.3005,
0.2868

57.2406, 0.2913,
0.2584

86.4163, 0.3084,
0.3134

45.7171, 0.2809,
0.2288

99.8078, 0.3144,
0.3319

36.1039, 0.2693,
0.1990

28.2903, 0.2568,
0.1701

■ 22.1542, 0.2437,
0.1438

■ 17.5574, 0.2307,
0.1214

■ 14.3388, 0.2183,
0.1042

■ 12.2982, 0.2071,
0.0926

■ 11.7267, 0.2031,
0.0893

Harmonies

Analogous

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



70.7726, 0.2767, 0.2833



70.7726, 0.3005, 0.2868



70.7726, 0.3286, 0.3003

Triad

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



70.7726, 0.3005, 0.2868



70.7726, 0.3649, 0.3647



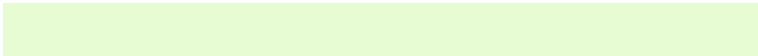
70.7726, 0.2733, 0.3357

Complementary

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



70.7726, 0.3005, 0.2868



91.2974, 0.3234, 0.3714

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.



70.7726, 0.2956, 0.3605



70.7726, 0.3005, 0.2868



70.7726, 0.3486, 0.3770

Square

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



70.7726, 0.3005, 0.2868



70.7726, 0.3667, 0.3440



70.7726, 0.3231, 0.3759



70.7726, 0.2616, 0.3101

Rectangle

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



70.7726, 0.3005, 0.2868



70.7726, 0.3459, 0.3134



70.7726, 0.3231, 0.3759



70.7726, 0.2798, 0.3445

Sweetspot

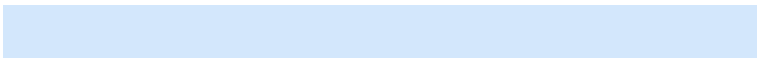
The Sweet Spot groups the original color and five complimentary colors.



70.7756, 0.3005, 0.2868



90.9757, 0.3093, 0.3166



78.3030, 0.2871, 0.3073



19.2109, 0.3088, 0.3148



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.



70.7756, 0.3005, 0.2868



67.2601, 0.2972, 0.2764



74.3061, 0.3146, 0.2886



17.0813, 0.3060, 0.3051



6.1971, 0.2048, 0.0902



0.6371, 0.2175, 0.0972

Inverse Universe

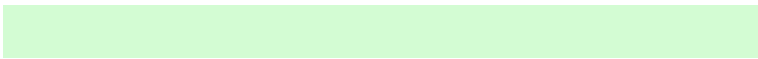
The Inverse Universe completely reimagines the original color for something new.



73.0443, 0.3292, 0.3089



70.0923, 0.3338, 0.3041



88.1665, 0.3107, 0.3730



17.3659, 0.3217, 0.3175



11.5497, 0.5020, 0.2539



1.0910, 0.4746, 0.2388

Previews

White Background



This preview shows how the Yxy color 70.7726, 0.3005, 0.2868 looks on a white background.

Color Contrast Check

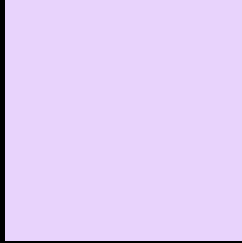
Large Text (above 18pt) WCAG AA × Fail

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 70.7726, 0.3005, 0.2868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

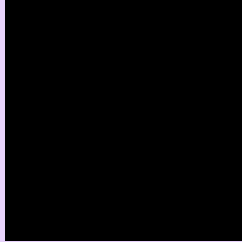
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7726, 0.3005, 0.2868

Background



This preview shows how black text looks on a background with the Yxy color 70.7726, 0.3005, 0.2868.



This preview shows how white text looks on a background with the Yxy color 70.7726, 0.3005, 0.2868.

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

70.7726, 0.3005, 0.2868

Protanopia

70.8428, 0.2853, 0.2886

Deuteranopia

71.0657, 0.2963, 0.2904



Tritanopia

71.0284, 0.3121, 0.3120

Trichromacy



Original Color

70.7726, 0.3005, 0.2868

Protanomaly

70.8167, 0.2904, 0.2880

Deuteranomaly

71.0475, 0.2983, 0.2896

Tritanomaly

71.1481, 0.3075, 0.3028

Monochromacy



Original Color

70.7726, 0.3005, 0.2868

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.1948, 0.3085, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7726, 0.3005, 0.2868 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(232, 211, 252)` looks like.

```
.text, #text, p{  
    color:rgb(232, 211, 252)  
}
```

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(232, 211, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 211, 252) }
```

Border

The CSS property to change the border of an element to Yxy 70.7726, 0.3005, 0.2868 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(232, 211, 252) }
```

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

```
.border{ border-color:rgb(232, 211, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 211, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 211, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 211, 252);  
box-shadow:4px 4px 4px 4px rgb(232, 211,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7726, 0.3005, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 211, 252) }
```

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

```
.background{ background-color: rgb(232,  
211, 252) }
```

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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