

Converting Colors

$Y_{xy}(70.5776, 0.2957, 0.2855)$

Have a look what the booklet for
Yxy(70.5776, 0.2957, 0.2855)
contains.

Yxy(70.5736, 0.2957, 0.2855)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.5736, 0.2957, 0.2855)

Conversions

Conversions Part 1

Format	Color
Hex	E3D4FE
RGB	227, 212, 254
RGB Percent	89%, 83%, 100%
CMY	0.1100, 0.1685, 0.0040
CMYK	0.11, 0.17, 0.00, 0.00
HSL	261°, 95%, 91%
HSV	261°, 17%, 100%
XYZ	73.0950, 70.5736, 103.5244
YIQ	221.2730, -4.5420, 16.2420

Conversions

Conversions Part 2

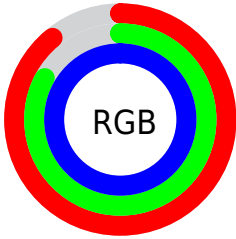
Format	Color
R _Y B	227, 212, 254
Decimal	14931198
CIE Lab	87.28, 12.93, -18.60
CIE LCh	87, 22.653, 304.809
Yxy	70.5736, 0.2957, 0.2855
Android (android.graphics.Color)	4293121278 (0xFFE3D4FE)
YUV	221.2730, 16.1344, 5.0226
Hunter-Lab	84.0081, 8.2977, -14.2583

Details

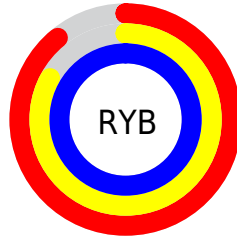
The Yxy color $70.5736, 0.2957, 0.2855$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.9949, 0.3278, 0.3715$, and the grayscale version is $72.3915, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.8031, 0.2914, 0.2755$ is the 20% darker color. If you saturate the color by 10%, you get $56.3231, 0.2833, 0.2560$, and if you desaturate by 10%, it is $87.0806, 0.3065, 0.3127$.

Distribution



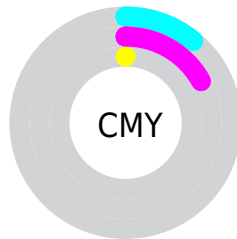
- Red (89%)
- Green (83%)
- Blue (100%)



- Red (89%)
- Yellow (83%)
- Blue (100%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5736, 0.2957, 0.2855 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 70.5736, 0.2957, 0.2855 by changing the saturation by 10% instead.


 70.5736, 0.2957,
0.2855

 70.5736, 0.2957,
0.2855

462.5615, 0.3038,
0.3052

 51.9943, 0.2938,
0.2811


120.0264, 0.2985,
0.2922

 37.0005, 0.2915,
0.2758


151.6687, 0.2996,
0.2949

 25.2079, 0.2885,
0.2691


188.4340, 0.3006,
0.2972

 16.2320, 0.2846,
0.2605

230.7069, 0.3014,
0.2992

 9.6885, 0.2791,
0.2492

278.8717, 0.3021,
0.3009

 5.1929, 0.2712,
0.2334

333.3128, 0.3027,

 2.3609, 0.2587,

0.3025

0.2101

394.4146, 0.3033,
0.3039

0.8057, 0.2367,
0.1726

0.0000, 0.0292,
0.0000

70.5736, 0.2957,
0.2855

70.5736, 0.2957,
0.2855

56.3231, 0.2833,
0.2560

87.0806, 0.3065,
0.3127

44.2200, 0.2693,
0.2248

99.9350, 0.3133,
0.3300

34.1595, 0.2540,
0.1929

26.0240, 0.2378,
0.1616

■ 19.6838, 0.2213,
0.1327

■ 14.9924, 0.2055,
0.1081

■ 11.7790, 0.1913,
0.0895

■ 9.8313, 0.1794,
0.0774

■ 9.3418, 0.1758,
0.0742

Harmonies

Analogous

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



70.5736, 0.2735, 0.2841



70.5736, 0.2957, 0.2855



70.5736, 0.3235, 0.2973

Triad

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



70.5736, 0.2957, 0.2855



70.5736, 0.3662, 0.3613



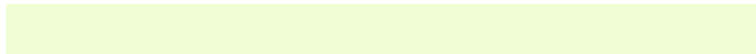
70.5736, 0.2768, 0.3405

Complementary

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



70.5736, 0.2957, 0.2855



93.9949, 0.3278, 0.3715

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.



70.5736, 0.3004, 0.3641



70.5736, 0.2957, 0.2855



70.5736, 0.3523, 0.3755

Square

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



70.5736, 0.2957, 0.2855



70.5736, 0.3651, 0.3398



70.5736, 0.3281, 0.3771



70.5736, 0.2630, 0.3145

Rectangle

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



70.5736, 0.2957, 0.2855



70.5736, 0.3414, 0.3097



70.5736, 0.3281, 0.3771



70.5736, 0.2838, 0.3491

Sweetspot

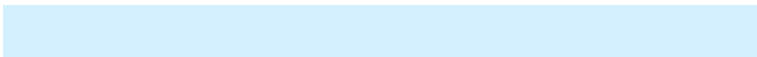
The Sweet Spot groups the original color and five complimentary colors.



70.5766, 0.2957, 0.2855



90.6076, 0.3080, 0.3166



83.0660, 0.2870, 0.3136



19.1215, 0.3073, 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.



70.5766, 0.2957, 0.2855



65.9549, 0.2916, 0.2755



74.1561, 0.3102, 0.2874



17.6918, 0.3034, 0.3048



5.0003, 0.1774, 0.0751



0.5454, 0.1897, 0.0819

Inverse Universe

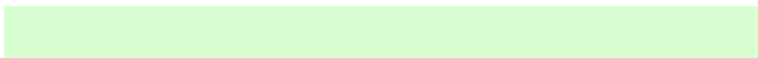
The Inverse Universe completely reimagines the original color for something new.



74.4057, 0.3249, 0.3021



70.5529, 0.3279, 0.2962



90.5860, 0.3145, 0.3733



18.1843, 0.3193, 0.3138



12.5460, 0.4364, 0.2177



1.2424, 0.4197, 0.2086

Previews

White Background



This preview shows how the Yxy color 70.5736, 0.2957, 0.2855 looks on a white background.

Color Contrast Check

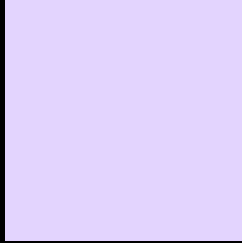
Large Text (above 18pt) WCAG AA × Fail

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 70.5736, 0.2957, 0.2855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

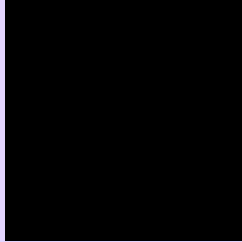
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

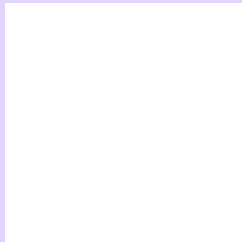
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.5736, 0.2957, 0.2855

Background



This preview shows how black text looks on a background with the Yxy color 70.5736, 0.2957, 0.2855.

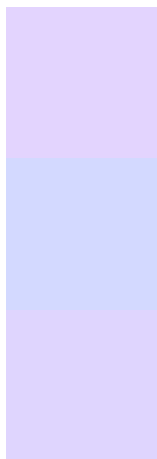


This preview shows how white text looks on a background with the Yxy color 70.5736, 0.2957, 0.2855.

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

70.5736, 0.2957, 0.2855

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

70.4322, 0.2930, 0.2862



Tritanopia

70.6829, 0.3064, 0.3108

Trichromacy



Original Color

70.5736, 0.2957, 0.2855

Protanomaly

70.5726, 0.2884, 0.2868

Deuteranomaly

70.5916, 0.2937, 0.2863

Tritanomaly

70.7990, 0.3020, 0.3014

Monochromacy



Original Color

70.5736, 0.2957, 0.2855

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.7140, 0.3064, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5736, 0.2957, 0.2855 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(227, 212, 254)` looks like.

```
.text, #text, p{  
    color:rgb(227, 212, 254)  
}
```

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(227, 212, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 212, 254) }
```

Border

The CSS property to change the border of an element to Yxy 70.5736, 0.2957, 0.2855 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(227, 212, 254) }
```

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

```
.border{ border-color:rgb(227, 212, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 212, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 212, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 212, 254);  
box-shadow:4px 4px 4px 4px rgb(227, 212,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5736, 0.2957, 0.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 212, 254) }
```

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

```
.background{ background-color: rgb(227,  
212, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor