

Converting Colors

$Y_{xy}(77.7126, 0.2507, 0.2100)$

Have a look what the booklet for
Yxy(77.7126, 0.2507, 0.2100)
contains.

Yxy(70.6368, 0.2992, 0.2830)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.6368, 0.2992, 0.2830)

Conversions

Conversions Part 1

Format	Color
Hex	E9D2FF
RGB	233, 210, 255
RGB Percent	91%, 82%, 100%
CMY	0.0865, 0.1763, 0.0001
CMYK	0.09, 0.18, 0.00, 0.00
HSL	271°, 100%, 91%
HSV	271°, 18%, 100%
XYZ	74.6803, 70.6368, 104.2829
YIQ	222.0070, -0.7370, 18.8710

Conversions

Conversions Part 2

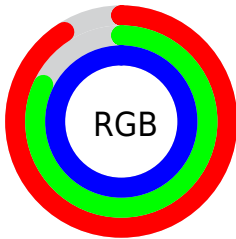
Format	Color
R _Y B	233, 210, 255
Decimal	15323903
CIE Lab	87.31, 16.09, -19.03
CIE LCh	87, 24.914, 310.216
Yxy	70.6368, 0.2992, 0.2830
Android (android.graphics.Color)	4293513983 (0xFFE9D2FF)
YUV	222.0070, 16.2655, 9.6409
Hunter-Lab	84.0457, 11.5294, -14.7343

Details

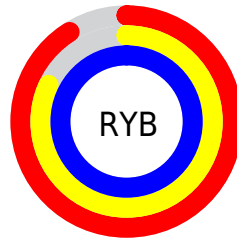
The Yxy color **70.6368, 0.2992, 0.2830** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.3265, 0.3244, 0.3751**, and the grayscale version is **72.9317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8670, 0.2959, 0.2724** is the 20% darker color. If you saturate the color by 10%, you get **57.0043, 0.2898, 0.2544**, and if you desaturate by 10%, it is **86.4302, 0.3073, 0.3099**.

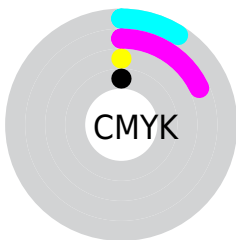
Distribution



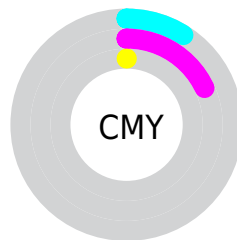
- Red (91%)
- Green (82%)
- Blue (100%)



- Red (91%)
- Yellow (82%)
- Blue (100%)



- Cyan (9%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6368, 0.2992, 0.2830 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 70.6368, 0.2992, 0.2830 by changing the saturation by 10% instead.


 70.6368, 0.2992,
0.2830

 70.6368, 0.2992,
0.2830

462.7828, 0.3057,
0.3037

 52.0459, 0.2977,
0.2784


120.1164, 0.3015,
0.2901

 37.0416, 0.2957,
0.2728


151.7739, 0.3024,
0.2928

 25.2397, 0.2933,
0.2659


188.5557, 0.3031,
0.2953

 16.2557, 0.2900,
0.2569

230.8461, 0.3038,
0.2974

 9.7053, 0.2855,
0.2452

279.0297, 0.3044,
0.2992

 5.2040, 0.2788,
0.2289

333.4907, 0.3049,

 2.3675, 0.2681,

0.3009

0.2051

394.6136, 0.3053,
0.3024

0.8091, 0.2488,
0.1672

0.0000, 0.0981,
0.0000

70.6368, 0.2992,
0.2830

70.6368, 0.2992,
0.2830

57.0043, 0.2898,
0.2544

86.4302, 0.3073,
0.3099

45.4260, 0.2791,
0.2246

99.9983, 0.3127,
0.3290

35.7992, 0.2672,
0.1947

28.0087, 0.2545,
0.1661

■ 21.9267, 0.2413,
0.1401

■ 17.4082, 0.2282,
0.1183

■ 14.2828, 0.2159,
0.1018

■ 12.3271, 0.2048,
0.0909

■ 11.9577, 0.2023,
0.0888

Harmonies

Analogous

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



70.6368, 0.2733, 0.2792



70.6368, 0.2992, 0.2830



70.6368, 0.3300, 0.2977

Triad

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



70.6368, 0.2992, 0.2830



70.6368, 0.3699, 0.3678



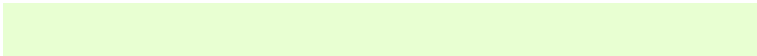
70.6368, 0.2697, 0.3363

Complementary

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



70.6368, 0.2992, 0.2830



93.3265, 0.3244, 0.3751

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.



70.6368, 0.2939, 0.3637



70.6368, 0.2992, 0.2830



70.6368, 0.3520, 0.3816

Square

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



70.6368, 0.2992, 0.2830



70.6368, 0.3719, 0.3452



70.6368, 0.3240, 0.3807



70.6368, 0.2569, 0.3082

Rectangle

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



70.6368, 0.2992, 0.2830



70.6368, 0.3490, 0.3119



70.6368, 0.3240, 0.3807



70.6368, 0.2767, 0.3460

Sweetspot

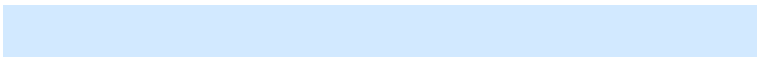
The Sweet Spot groups the original color and five complimentary colors.



70.6398, 0.2992, 0.2830



90.9664, 0.3093, 0.3166



78.9217, 0.2849, 0.3053



19.2086, 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.



70.6398, 0.2992, 0.2830



65.8180, 0.2962, 0.2735



74.5827, 0.3148, 0.2852



17.8327, 0.3059, 0.3050



6.3387, 0.2040, 0.0897



0.6822, 0.2161, 0.0964

Inverse Universe

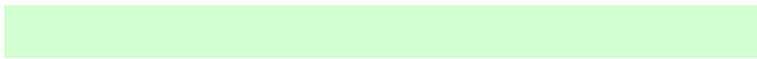
The Inverse Universe completely reimagines the original color for something new.



73.1948, 0.3308, 0.3070



68.8290, 0.3349, 0.3026



89.8646, 0.3105, 0.3771



18.1356, 0.3217, 0.3174



11.9134, 0.5005, 0.2531



1.1820, 0.4745, 0.2388

Previews

White Background



This preview shows how the Yxy color 70.6368, 0.2992, 0.2830 looks on a white background.

Color Contrast Check

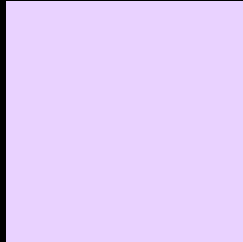
Large Text (above 18pt) WCAG AA × Fail

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 70.6368, 0.2992, 0.2830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

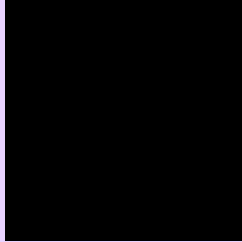
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6368, 0.2992, 0.2830

Background



This preview shows how black text looks on a background with the Yxy color 70.6368, 0.2992, 0.2830.

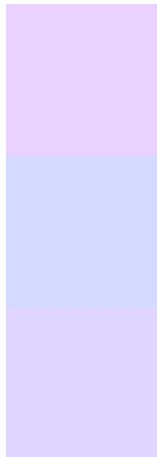


This preview shows how white text looks on a background with the Yxy color 70.6368, 0.2992, 0.2830.

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

70.6368, 0.2992, 0.2830

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

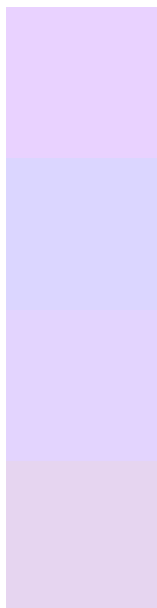
70.4322, 0.2930, 0.2862



Tritanopia

70.5207, 0.3121, 0.3110

Trichromacy



Original Color

70.6368, 0.2992, 0.2830

Protanomaly

70.3732, 0.2897, 0.2859

Deuteranomaly

70.5736, 0.2957, 0.2855

Tritanomaly

70.7028, 0.3069, 0.3007

Monochromacy



Original Color

70.6368, 0.2992, 0.2830

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.2521, 0.3078, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6368, 0.2992, 0.2830 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(233, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 210, 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(233, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 210, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.6368, 0.2992, 0.2830 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(233, 210, 255) }
```

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

```
.border{ border-color:rgb(233, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 210,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6368, 0.2992, 0.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 210, 255) }
```

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

```
.background{ background-color: rgb(233,  
210, 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](#).

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