

Converting Colors

Yxy(81.3630, 0.2352, 0.1890)

Have a look what the booklet for
Yxy(81.3630, 0.2352, 0.1890)
contains.

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Color

Yxy(70.6315, 0.2972, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	E6D3FF
RGB	230, 211, 255
RGB Percent	90%, 83%, 100%
CMY	0.0978, 0.1726, 0.0000
CMYK	0.10, 0.17, 0.00, 0.00
HSL	266°, 100%, 91%
HSV	266°, 17%, 100%
XYZ	73.9925, 70.6315, 104.3414
YIQ	221.6970, -2.8000, 17.7120

Conversions

Conversions Part 2

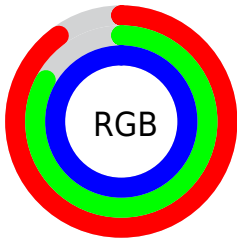
Format	Color
R _Y B	230, 211, 255
Decimal	15127551
CIE Lab	87.31, 14.68, -19.07
CIE LCh	87, 24.061, 307.588
Yxy	70.6315, 0.2972, 0.2837
Android (android.graphics.Color)	4293317631 (0xFFE6D3FF)
YUV	221.6970, 16.4184, 7.2817
Hunter-Lab	84.0425, 10.0801, -14.7806

Details

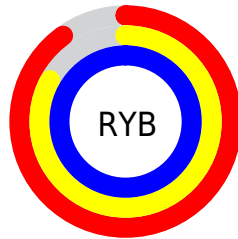
The Yxy color $70.6315, 0.2972, 0.2837$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $94.0412, 0.3263, 0.3738$, and the grayscale version is $72.7124, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.8528, 0.2932, 0.2733$ is the 20% darker color. If you saturate the color by 10%, you get $56.6619, 0.2863, 0.2546$, and if you desaturate by 10%, it is $86.8146, 0.3067, 0.3108$.

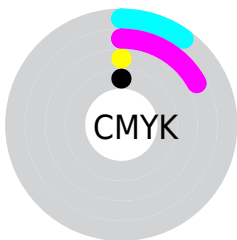
Distribution



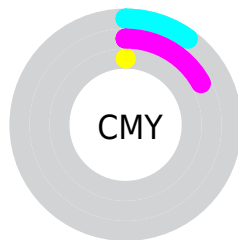
- Red (90%)
- Green (83%)
- Blue (100%)



- Red (90%)
- Yellow (83%)
- Blue (100%)



- Cyan (10%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6315, 0.2972, 0.2837 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 70.6315, 0.2972, 0.2837 by changing the saturation by 10% instead.

70.6315, 0.2972,
0.2837

70.6315, 0.2972,
0.2837

462.7642, 0.3046,
0.3041

52.0415, 0.2955,
0.2792

120.1089, 0.2998,
0.2907

37.0382, 0.2933,
0.2736

151.7651, 0.3008,
0.2934

25.2371, 0.2905,
0.2667

188.5455, 0.3017,
0.2958

16.2538, 0.2869,
0.2579

230.8345, 0.3024,
0.2979

9.7039, 0.2818,
0.2462

279.0164, 0.3031,
0.2997

5.2031, 0.2744,
0.2301

333.4758, 0.3036,

2.3669, 0.2626,

0.3013

0.2063

394.5969, 0.3041,
0.3028

0.8088, 0.2418,
0.1685

0.0000, 0.0690,
0.0000

70.6315, 0.2972,
0.2837

70.6315, 0.2972,
0.2837

56.6619, 0.2863,
0.2546

86.8146, 0.3067,
0.3108

44.7978, 0.2739,
0.2241

100.0000, 0.3127,
0.3290

34.9350, 0.2602,
0.1931

26.9567, 0.2457,
0.1632

■ 20.7336, 0.2308,
0.1357

■ 16.1193, 0.2162,
0.1126

■ 12.9423, 0.2028,
0.0950

■ 10.9828, 0.1911,
0.0835

■ 10.5702, 0.1882,
0.0810

Harmonies

Analogous

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



70.6315, 0.2729, 0.2810



70.6315, 0.2972, 0.2837



70.6315, 0.3268, 0.2971

Triad

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



70.6315, 0.2972, 0.2837



70.6315, 0.3688, 0.3649



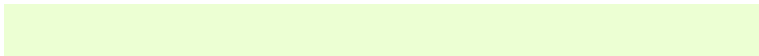
70.6315, 0.2728, 0.3385

Complementary

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



70.6315, 0.2972, 0.2837



94.0412, 0.3263, 0.3738

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.



70.6315, 0.2970, 0.3644



70.6315, 0.2972, 0.2837



70.6315, 0.3527, 0.3791

Square

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



70.6315, 0.2972, 0.2837



70.6315, 0.3692, 0.3426



70.6315, 0.3262, 0.3795



70.6315, 0.2593, 0.3111

Rectangle

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



70.6315, 0.2972, 0.2837



70.6315, 0.3456, 0.3105



70.6315, 0.3262, 0.3795



70.6315, 0.2799, 0.3478

Sweetspot

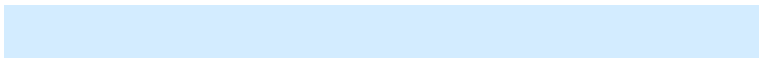
The Sweet Spot groups the original color and five complimentary colors.



70.6344, 0.2972, 0.2837



90.7890, 0.3086, 0.3166



81.0150, 0.2856, 0.3090



19.1655, 0.3080, 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.



70.6344, 0.2972, 0.2837



65.1571, 0.2933, 0.2730



74.5082, 0.3126, 0.2858



17.7628, 0.3047, 0.3049



5.6075, 0.1898, 0.0819



0.6091, 0.2024, 0.0889

Inverse Universe

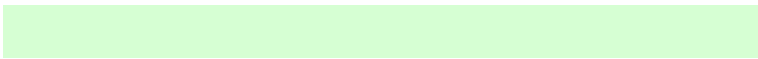
The Inverse Universe completely reimagines the original color for something new.



73.8919, 0.3279, 0.3042



69.0574, 0.3319, 0.2986



90.5062, 0.3123, 0.3758



18.1595, 0.3205, 0.3156



12.1988, 0.4683, 0.2354



1.2097, 0.4468, 0.2235

Previews

White Background



This preview shows how the Yxy color 70.6315, 0.2972, 0.2837 looks on a white background.

Color Contrast Check

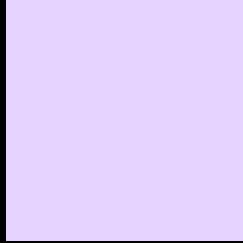
Large Text (above 18pt) WCAG AA × Fail

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 70.6315, 0.2972, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

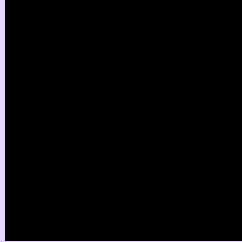
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6315, 0.2972, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 70.6315, 0.2972, 0.2837.



This preview shows how white text looks on a background with the Yxy color 70.6315, 0.2972, 0.2837.

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

70.6315, 0.2972, 0.2837

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

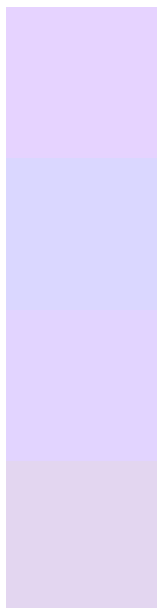
70.4965, 0.2924, 0.2852



Tritanopia

70.5958, 0.3093, 0.3109

Trichromacy



Original Color

70.6315, 0.2972, 0.2837

Protanomaly

70.7263, 0.2891, 0.2869

Deuteranomaly

70.4757, 0.2944, 0.2844

Tritanomaly

70.7153, 0.3047, 0.3016

Monochromacy



Original Color

70.6315, 0.2972, 0.2837

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.0909, 0.3071, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6315, 0.2972, 0.2837 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(230, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 211, 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(230, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.6315, 0.2972, 0.2837 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(230, 211, 255) }
```

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

```
.border{ border-color:rgb(230, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6315, 0.2972, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 211, 255) }
```

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

```
.background{ background-color: rgb(230,  
211, 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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