

Converting Colors

$Y_{xy}(71.0702, 0.2894, 0.2763)$

Have a look what the booklet for
Yxy(71.0702, 0.2894, 0.2763)
contains.

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Color

Yxy(70.4757, 0.2944, 0.2844)

Conversions

Conversions Part 1

Format	Color
Hex	E2D4FF
RGB	226, 212, 255
RGB Percent	89%, 83%, 100%
CMY	0.1138, 0.1686, 0.0000
CMYK	0.11, 0.17, 0.00, 0.00
HSL	259°, 100%, 92%
HSV	259°, 17%, 100%
XYZ	72.9537, 70.4757, 104.3754
YIQ	221.0880, -5.4590, 16.3410

Conversions

Conversions Part 2

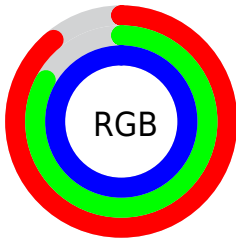
Format	Color
R _Y B	226, 212, 255
Decimal	14865663
CIE Lab	87.23, 12.84, -19.22
CIE LCh	87, 23.114, 303.750
Yxy	70.4757, 0.2944, 0.2844
Android (android.graphics.Color)	4293055743 (0xFFE2D4FF)
YUV	221.0880, 16.7186, 4.3078
Hunter-Lab	83.9498, 8.2072, -14.9508

Details

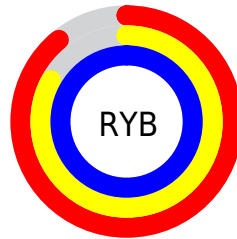
The Yxy color $70.4757, 0.2944, 0.2844$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $94.9802, 0.3290, 0.3723$, and the grayscale version is $72.2541, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.7372, 0.2897, 0.2741$ is the 20% darker color. If you saturate the color by 10%, you get $56.0746, 0.2813, 0.2547$, and if you desaturate by 10%, it is $87.1738, 0.3058, 0.3118$.

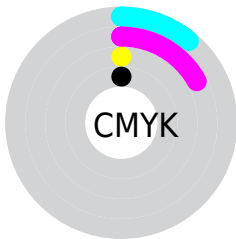
Distribution



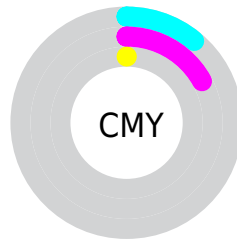
- Red (89%)
- Green (83%)
- Blue (100%)



- 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 70.4757, 0.2944, 0.2844 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 70.4757, 0.2944, 0.2844 by changing the saturation by 10% instead.

70.4757, 0.2944,
0.2844

70.4757, 0.2944,
0.2844

462.2185, 0.3031,
0.3046

51.9144, 0.2924,
0.2799

119.8869, 0.2974,
0.2913

36.9369, 0.2899,
0.2744

151.5056, 0.2986,
0.2940

25.1586, 0.2867,
0.2676

188.2456, 0.2996,
0.2964

16.1953, 0.2825,
0.2588

230.4913, 0.3005,
0.2984

9.6624, 0.2767,
0.2472

278.6270, 0.3013,
0.3002

5.1757, 0.2682,
0.2311

333.0372, 0.3019,

2.3507, 0.2550,

0.3018

0.2073

394.1062, 0.3025,
0.3033

0.8004, 0.2317,
0.1692

0.0000, 0.0213,
0.0000

70.4757, 0.2944,
0.2844

70.4757, 0.2944,
0.2844

56.0746, 0.2813,
0.2547

87.1738, 0.3058,
0.3118

43.8616, 0.2666,
0.2231

100.0000, 0.3127,
0.3290

33.7284, 0.2506,
0.1907

25.5548, 0.2337,
0.1590

■ 19.2079, 0.2168,
0.1299

■ 14.5376, 0.2007,
0.1052

■ 11.3688, 0.1864,
0.0865

■ 9.4817, 0.1748,
0.0747

■ 9.0527, 0.1716,
0.0719

Harmonies

Analogous

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



70.4757, 0.2720, 0.2833



70.4757, 0.2944, 0.2844



70.4757, 0.3227, 0.2961

Triad

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



70.4757, 0.2944, 0.2844



70.4757, 0.3675, 0.3612



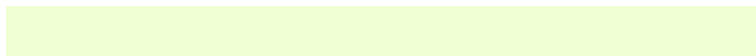
70.4757, 0.2768, 0.3416

Complementary

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



70.4757, 0.2944, 0.2844



94.9802, 0.3290, 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.



70.4757, 0.3011, 0.3656



70.4757, 0.2944, 0.2844



70.4757, 0.3538, 0.3761

Square

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



70.4757, 0.2944, 0.2844



70.4757, 0.3659, 0.3391



70.4757, 0.3293, 0.3783



70.4757, 0.2623, 0.3150

Rectangle

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



70.4757, 0.2944, 0.2844



70.4757, 0.3411, 0.3085



70.4757, 0.3293, 0.3783



70.4757, 0.2841, 0.3504

Sweetspot

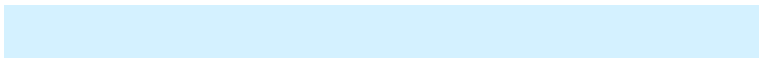
The Sweet Spot groups the original color and five complimentary colors.



70.4778, 0.2944, 0.2844



90.5372, 0.3078, 0.3166



84.3585, 0.2865, 0.3148



19.1044, 0.3070, 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.



70.4778, 0.2944, 0.2844



65.7108, 0.2905, 0.2753



74.1081, 0.3091, 0.2864



17.6643, 0.3030, 0.3048



4.8014, 0.1732, 0.0728



0.5237, 0.1852, 0.0794

Inverse Universe

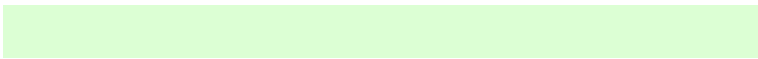
The Inverse Universe completely reimagines the original color for something new.



74.7051, 0.3242, 0.3003



70.6440, 0.3268, 0.2947



91.4728, 0.3155, 0.3741



18.1941, 0.3188, 0.3131



12.6966, 0.4244, 0.2112



1.2563, 0.4096, 0.2030

Previews

White Background



This preview shows how the Yxy color 70.4757, 0.2944, 0.2844 looks on a white background.

Color Contrast Check

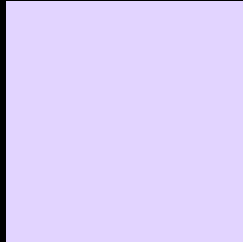
Large Text (above 18pt) WCAG AA × Fail

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 70.4757, 0.2944, 0.2844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

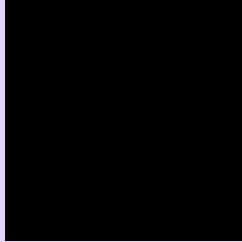
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4757, 0.2944, 0.2844

Background



This preview shows how black text looks on a background with the Yxy color 70.4757, 0.2944, 0.2844.

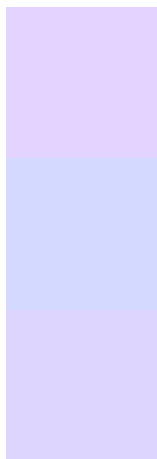


This preview shows how white text looks on a background with the Yxy color 70.4757, 0.2944, 0.2844.

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

70.4757, 0.2944, 0.2844

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

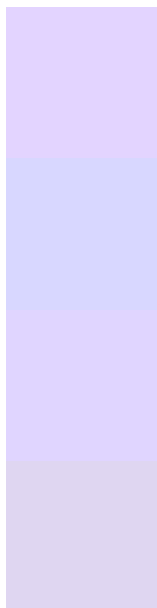
70.3381, 0.2917, 0.2851



Tritanopia

70.5245, 0.3057, 0.3107

Trichromacy



Original Color

70.4757, 0.2944, 0.2844

Protanomaly

70.4198, 0.2878, 0.2868

Deuteranomaly

70.4965, 0.2924, 0.2852

Tritanomaly

70.6397, 0.3013, 0.3014

Monochromacy



Original Color

70.4757, 0.2944, 0.2844

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 70.4757, 0.2944, 0.2844 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(226, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 212, 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(226, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.4757, 0.2944, 0.2844 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(226, 212, 255) }
```

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

```
.border{ border-color:rgb(226, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4757, 0.2944, 0.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 212, 255) }
```

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

```
.background{ background-color: rgb(226,  
212, 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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