

Converting Colors

$Y_{xy}(74.3962, 0.2848, 0.2715)$

Have a look what the booklet for
Yxy(74.3962, 0.2848, 0.2715)
contains.

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Color

Yxy(72.8257, 0.2958, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	E4D8FF
RGB	228, 216, 255
RGB Percent	89%, 85%, 100%
CMY	0.1061, 0.1529, 0.0000
CMYK	0.11, 0.15, 0.00, 0.00
HSL	258°, 100%, 92%
HSV	258°, 15%, 100%
XYZ	74.5909, 72.8257, 104.7500
YIQ	224.0340, -5.3670, 14.6730

Conversions

Conversions Part 2

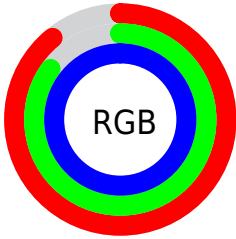
Format	Color
R _Y B	228, 216, 255
Decimal	14997759
CIE Lab	88.36, 11.35, -17.50
CIE LCh	88, 20.856, 302.967
Yxy	72.8257, 0.2958, 0.2888
Android (android.graphics.Color)	4293187839 (0xFFE4D8FF)
YUV	224.0340, 15.2662, 3.4782
Hunter-Lab	85.3380, 6.6790, -13.0402

Details

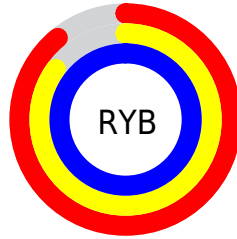
The Yxy color **72.8257, 0.2958, 0.2888** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.5461, 0.3280, 0.3680**, and the grayscale version is **74.4550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.3376, 0.2916, 0.2798** is the 20% darker color. If you saturate the color by 10%, you get **58.0112, 0.2826, 0.2593**, and if you desaturate by 10%, it is **89.9673, 0.3073, 0.3158**.

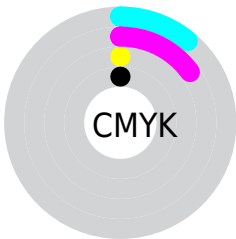
Distribution



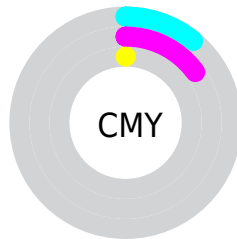
- Red (89%)
- Green (85%)
- Blue (100%)



- Red (89%)
- Yellow (85%)
- Blue (100%)



- Cyan (11%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8257, 0.2958, 0.2888 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 72.8257, 0.2958, 0.2888 by changing the saturation by 10% instead.

72.8257, 0.2958,
0.2888

72.8257, 0.2958,
0.2888

470.4105, 0.3037,
0.3069

53.8335, 0.2940,
0.2848

123.2297, 0.2986,
0.2950

38.4685, 0.2917,
0.2799

155.4103, 0.2996,
0.2974

26.3465, 0.2888,
0.2737

192.7558, 0.3006,
0.2995

17.0831, 0.2850,
0.2659

235.6506, 0.3014,
0.3014

10.2937, 0.2798,
0.2554

284.4790, 0.3021,
0.3030

5.5941, 0.2723,
0.2410

339.6256, 0.3027,

2.5999, 0.2605,

0.3045

0.2197

401.4746, 0.3032,
0.3058

0.9266, 0.2400,
0.1856

0.0000, 0.0927,
0.0000

72.8257, 0.2958,
0.2888

72.8257, 0.2958,
0.2888

58.0112, 0.2826,
0.2593

89.9673, 0.3073,
0.3158

45.4167, 0.2678,
0.2278

100.0000, 0.3127,
0.3290

34.9340, 0.2515,
0.1953

26.4438, 0.2344,
0.1631

■ 19.8145, 0.2171,
0.1331

■ 14.8983, 0.2005,
0.1074

■ 11.5234, 0.1859,
0.0876

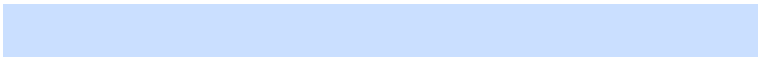
■ 9.4800, 0.1739,
0.0748

■ 8.8414, 0.1692,
0.0706

Harmonies

Analogous

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



72.8257, 0.2759, 0.2882



72.8257, 0.2958, 0.2888



72.8257, 0.3210, 0.2991

Triad

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



72.8257, 0.2958, 0.2888



72.8257, 0.3618, 0.3575



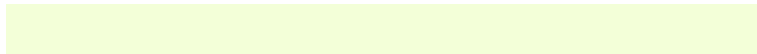
72.8257, 0.2811, 0.3409

Complementary

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



72.8257, 0.2958, 0.2888



95.5461, 0.3280, 0.3680

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.



72.8257, 0.3031, 0.3619



72.8257, 0.2958, 0.2888



72.8257, 0.3500, 0.3709

Square

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



72.8257, 0.2958, 0.2888



72.8257, 0.3599, 0.3377



72.8257, 0.3283, 0.3729



72.8257, 0.2677, 0.3173

Rectangle

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



72.8257, 0.2958, 0.2888



72.8257, 0.3374, 0.3102



72.8257, 0.3283, 0.3729



72.8257, 0.2877, 0.3486

Sweetspot

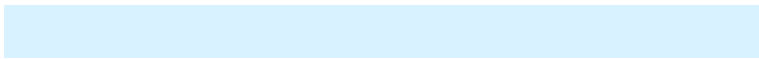
The Sweet Spot groups the original color and five complimentary colors.



72.8274, 0.2958, 0.2888



90.4935, 0.3076, 0.3166



86.1063, 0.2890, 0.3169



19.0938, 0.3069, 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.



72.8274, 0.2958, 0.2888



68.5814, 0.2924, 0.2811



76.1530, 0.3090, 0.2904



17.6473, 0.3027, 0.3048



4.6881, 0.1707, 0.0714



0.5110, 0.1826, 0.0779

Inverse Universe

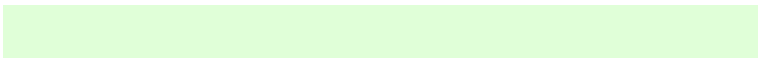
The Inverse Universe completely reimagines the original color for something new.



76.8570, 0.3225, 0.3023



73.2581, 0.3245, 0.2974



92.2967, 0.3156, 0.3695



18.2001, 0.3185, 0.3126



12.7945, 0.4172, 0.2072



1.2653, 0.4034, 0.1996

Previews

White Background



This preview shows how the Yxy color 72.8257, 0.2958, 0.2888 looks on a white background.

Color Contrast Check

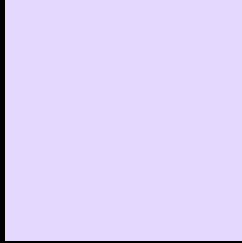
Large Text (above 18pt) WCAG AA × Fail

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 72.8257, 0.2958, 0.2888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

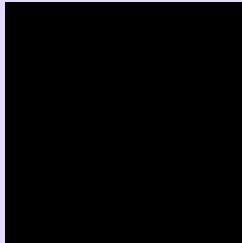
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8257, 0.2958, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 72.8257, 0.2958, 0.2888.

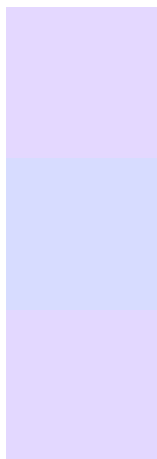


This preview shows how white text looks on a background with the Yxy color 72.8257, 0.2958, 0.2888.

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

72.8257, 0.2958, 0.2888

Protanopia

72.8535, 0.2873, 0.2921

Deuteranopia

72.6626, 0.2952, 0.2887



Tritanopia

72.7267, 0.3058, 0.3110

Trichromacy



Original Color

72.8257, 0.2958, 0.2888

Protanomaly

73.0987, 0.2906, 0.2914

Deuteranomaly

72.6626, 0.2952, 0.2887

Tritanomaly

72.7826, 0.3020, 0.3027

Monochromacy



Original Color

72.8257, 0.2958, 0.2888

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

73.7186, 0.3064, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8257, 0.2958, 0.2888 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(228, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 216, 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(228, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.8257, 0.2958, 0.2888 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(228, 216, 255) }
```

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

```
.border{ border-color:rgb(228, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8257, 0.2958, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 216, 255) }
```

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

```
.background{ background-color: rgb(228,  
216, 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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