

Converting Colors

$Y_{xy}(72.8257, 0.2936, 0.2897)$

Have a look what the booklet for
Yxy(72.8257, 0.2936, 0.2897)
contains.

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Color

Yxy(72.8533, 0.2938, 0.2896)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E1D9FF |
| RGB | 225, 217, 255 |
| RGB Percent | 88%, 85%, 100% |
| CMY | 0.1178, 0.1490, 0.0000 |
| CMYK | 0.12, 0.15, 0.00, 0.00 |
| HSL | 253°, 100%, 93% |
| HSV | 253°, 15%, 100% |
| XYZ | 73.9099, 72.8533, 104.8021 |
| YIQ | 223.7240, -7.4300, 13.5140 |

Conversions

Conversions Part 2

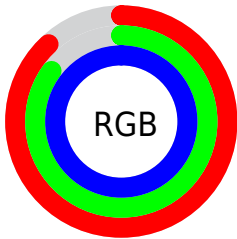
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 225, 217, 255 |
| Decimal | 14801407 |
| CIE Lab | 88.38, 9.88, -17.51 |
| CIE LCh | 88, 20.105, 299.448 |
| Yxy | 72.8533, 0.2938, 0.2896 |
| Android (android.graphics.Color) | 4292991487 (0xFFE1D9FF) |
| YUV | 223.7240, 15.4191, 1.1191 |
| Hunter-Lab | 85.3541, 5.1970, -13.0513 |

Details

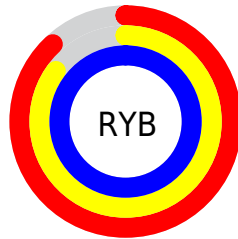
The Yxy color **72.8533, 0.2938, 0.2896** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.3132, 0.3299, 0.3667**, and the grayscale version is **74.2229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.4639, 0.2899, 0.2809** is the 20% darker color. If you saturate the color by 10%, you get **57.6568, 0.2788, 0.2597**, and if you desaturate by 10%, it is **90.4651, 0.3069, 0.3168**.

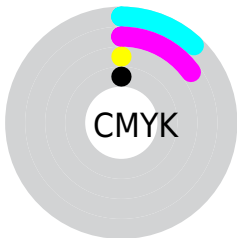
Distribution



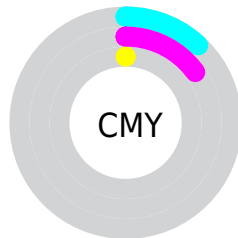
- Red (88%)
- Green (85%)
- Blue (100%)



- Red (88%)
- Yellow (85%)
- Blue (100%)



- Cyan (12%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8533, 0.2938, 0.2896 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 72.8533, 0.2938, 0.2896 by changing the saturation by 10% instead.


 72.8533, 0.2938,
0.2896

 72.8533, 0.2938,
0.2896


470.5062, 0.3026,
0.3074

 53.8560, 0.2918,
0.2856

123.2689, 0.2969,
0.2957

 38.4866, 0.2893,
0.2808


155.4561, 0.2981,
0.2981

 26.3605, 0.2861,
0.2748


192.8086, 0.2991,
0.3002

 17.0936, 0.2819,
0.2670

235.7109, 0.3000,
0.3020

 10.3012, 0.2762,
0.2567

284.5475, 0.3008,
0.3036

 5.5991, 0.2680,
0.2424

339.7026, 0.3015,

 2.6029, 0.2552,

0.3050

0.2212

401.5607, 0.3021,
0.3063

■ 0.9281, 0.2331,
0.1873

■ 0.0000, 0.0641,
0.0000

■ 72.8533, 0.2938,
0.2896

■ 72.8533, 0.2938,
0.2896

■ 57.6568, 0.2788,
0.2597

■ 90.4651, 0.3069,
0.3168

■ 44.7668, 0.2621,
0.2274

100.0000, 0.3127,
0.3290

■ 34.0700, 0.2440,
0.1937

■ 25.4424, 0.2250,
0.1602

■ 18.7472, 0.2063,
0.1289

■ 13.8310, 0.1891,
0.1022

■ 10.5164, 0.1745,
0.0819

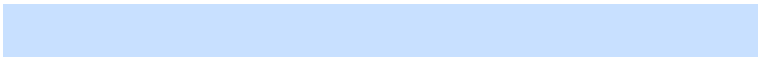
■ 8.5872, 0.1635,
0.0692

■ 7.9873, 0.1593,
0.0651

Harmonies

Analogous

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



72.8533, 0.2755, 0.2903



72.8533, 0.2938, 0.2896



72.8533, 0.3178, 0.2985

Triad

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



72.8533, 0.2938, 0.2896



72.8533, 0.3605, 0.3545



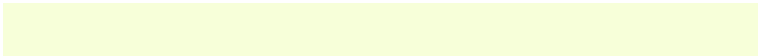
72.8533, 0.2844, 0.3432

Complementary

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



72.8533, 0.2938, 0.2896



96.3132, 0.3299, 0.3667

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.



72.8533, 0.3063, 0.3625



72.8533, 0.2938, 0.2896



72.8533, 0.3506, 0.3683

Square

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



72.8533, 0.2938, 0.2896



72.8533, 0.3571, 0.3350



72.8533, 0.3305, 0.3717



72.8533, 0.2703, 0.3203

Rectangle

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



72.8533, 0.2938, 0.2896



72.8533, 0.3339, 0.3088



72.8533, 0.3305, 0.3717



72.8533, 0.2910, 0.3504

Sweetspot

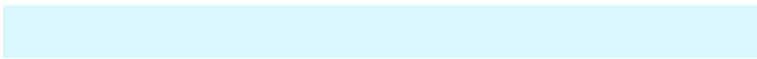
The Sweet Spot groups the original color and five complimentary colors.



72.8541, 0.2938, 0.2896



92.1663, 0.3080, 0.3191



88.7416, 0.2897, 0.3212



19.4217, 0.3071, 0.3172



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.



72.8541, 0.2938, 0.2896



67.8850, 0.2894, 0.2806



76.0145, 0.3065, 0.2911



17.5609, 0.3011, 0.3046



4.2245, 0.1605, 0.0658



0.4555, 0.1705, 0.0713

Inverse Universe

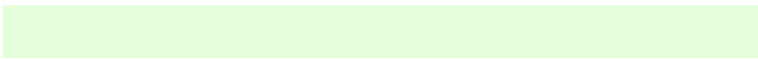
The Inverse Universe completely reimagines the original color for something new.



77.6105, 0.3198, 0.2995



73.5265, 0.3214, 0.2932



93.0913, 0.3180, 0.3681



18.2314, 0.3170, 0.3104



13.3501, 0.3823, 0.1880



1.3154, 0.3739, 0.1834

Previews

White Background



This preview shows how the Yxy color 72.8533, 0.2938, 0.2896 looks on a white background.

Color Contrast Check

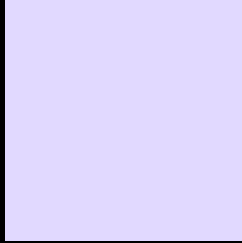
Large Text (above 18pt) WCAG AA × Fail

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 72.8533, 0.2938, 0.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

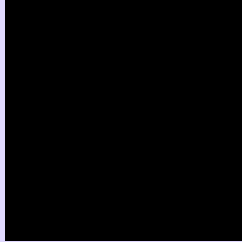
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8533, 0.2938, 0.2896

Background



This preview shows how black text looks on a background with the Yxy color 72.8533, 0.2938, 0.2896.

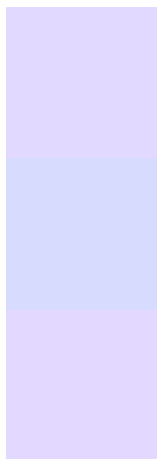


This preview shows how white text looks on a background with the Yxy color 72.8533, 0.2938, 0.2896.

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

72.8533, 0.2938, 0.2896

Protanopia

72.8535, 0.2873, 0.2921

Deuteranopia

72.6626, 0.2952, 0.2887



Tritanopia

72.8304, 0.3031, 0.3109

Trichromacy



Original Color

72.8533, 0.2938, 0.2896

Protanomaly

72.9431, 0.2899, 0.2913

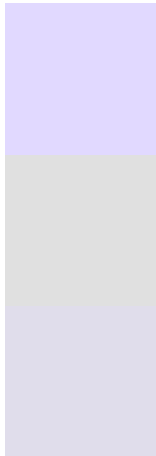
Deuteranomaly

72.5005, 0.2945, 0.2886

Tritanomaly

72.8827, 0.2993, 0.3026

Monochromacy



Original Color

72.8533, 0.2938, 0.2896

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

73.5584, 0.3057, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8533, 0.2938, 0.2896 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(225, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 217, 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(225, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 217, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.8533, 0.2938, 0.2896 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(225, 217, 255) }
```

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

```
.border{ border-color:rgb(225, 217, 255) }
```

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

Here you see how a box with a 4 pixel rgb(225, 217, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 217,  
255) }
```


Background

The CSS property to change the background color of an element to `rgb(225, 217, 255)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 217, 255) }
```

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

```
.background{ background-color: rgb(225,  
217, 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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