

Converting Colors

$Y_{xy}(73.5272, 0.3005, 0.2912)$

Have a look what the booklet for
Yxy(73.5272, 0.3005, 0.2912)
contains.

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Color

Yxy(73.5272, 0.3005, 0.2912)

Conversions

Conversions Part 1

Format	Color
Hex	E9D8FD
RGB	233, 216, 253
RGB Percent	91%, 85%, 99%
CMY	0.0864, 0.1529, 0.0080
CMYK	0.08, 0.15, 0.00, 0.01
HSL	268°, 90%, 92%
HSV	268°, 15%, 99%
XYZ	75.8754, 73.5272, 103.0946
YIQ	225.3010, -1.7450, 15.1110

Conversions

Conversions Part 2

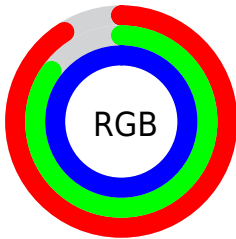
Format	Color
R _Y B	233, 216, 253
Decimal	15325437
CIE Lab	88.70, 12.54, -15.88
CIE LCh	89, 20.233, 308.307
Yxy	73.5272, 0.3005, 0.2912
Android (android.graphics.Color)	4293515517 (0xFFE9D8FD)
YUV	225.3010, 13.6556, 6.7520
Hunter-Lab	85.7480, 7.8894, -11.2606

Details

The Yxy color $73.5272, 0.3005, 0.2912$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.0285, 0.3236, 0.3666$, and the grayscale version is $75.4214, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $38.8224, 0.2976, 0.2829$ is the 20% darker color. If you saturate the color by 10%, you get $59.3325, 0.2904, 0.2627$, and if you desaturate by 10%, it is $89.9025, 0.3092, 0.3176$.

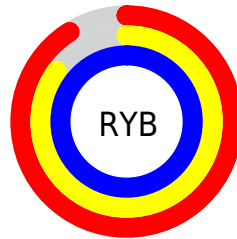
Distribution



Red (91%)

Green (85%)

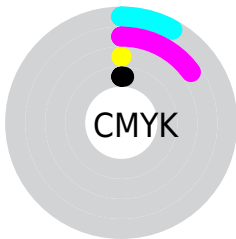
Blue (99%)



Red (91%)

Yellow (85%)

Blue (99%)

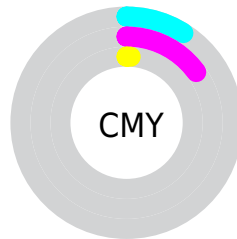


Cyan (8%)

Magenta (15%)

Yellow (0%)

Black (1%)



Cyan (9%)


Magenta (15%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5272, 0.3005, 0.2912 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 73.5272, 0.3005, 0.2912 by changing the saturation by 10% instead.

 73.5272, 0.3005,
0.2912

 73.5272, 0.3005,
0.2912


472.8400, 0.3063,
0.3082

 54.4072, 0.2992,
0.2874

124.2254, 0.3025,
0.2970

 38.9273, 0.2975,
0.2828

156.5722, 0.3033,
0.2993

 26.7032, 0.2953,
0.2771


194.0969, 0.3040,
0.3013

 17.3504, 0.2925,
0.2697

237.1837, 0.3046,
0.3030

 10.4846, 0.2886,
0.2600

286.2170, 0.3051,
0.3045

 5.7215, 0.2830,
0.2464

341.5812, 0.3055,

 2.6765, 0.2740,

0.3059

0.2264

403.6607, 0.3059,
0.3071

0.9653, 0.2580,
0.1944

0.0000, 0.1508,
0.0000

73.5272, 0.3005,
0.2912

73.5272, 0.3005,
0.2912

59.3325, 0.2904,
0.2627

89.9025, 0.3092,
0.3176

47.2141, 0.2790,
0.2328

99.8699, 0.3139,
0.3309

37.0728, 0.2662,
0.2022

28.7976, 0.2525,
0.1722

■ 22.2660, 0.2382,
0.1443

■ 17.3402, 0.2240,
0.1203

■ 13.8606, 0.2105,
0.1014

■ 11.6320, 0.1985,
0.0885

■ 10.8006, 0.1926,
0.0835

Harmonies

Analogous

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



73.5272, 0.2799, 0.2889



73.5272, 0.3005, 0.2912



73.5272, 0.3251, 0.3027

Triad

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



73.5272, 0.3005, 0.2912



73.5272, 0.3590, 0.3595



73.5272, 0.2791, 0.3365

Complementary

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



73.5272, 0.3005, 0.2912



93.0285, 0.3236, 0.3666

Split Complementary

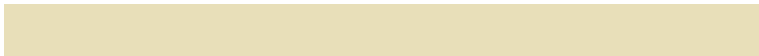
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.5272, 0.2992, 0.3577



73.5272, 0.3005, 0.2912



73.5272, 0.3456, 0.3707

Square

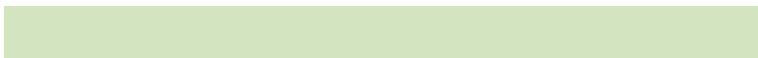
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.5272, 0.3005, 0.2912



73.5272, 0.3596, 0.3411



73.5272, 0.3235, 0.3704



73.5272, 0.2680, 0.3139

Rectangle

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



73.5272, 0.3005, 0.2912



73.5272, 0.3405, 0.3141



73.5272, 0.3235, 0.3704



73.5272, 0.2850, 0.3441

Sweetspot

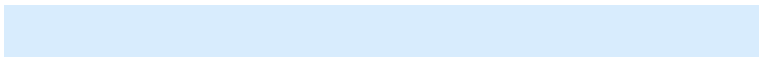
The Sweet Spot groups the original color and five complimentary colors.



73.5303, 0.3005, 0.2912



92.6312, 0.3096, 0.3191



81.8811, 0.2898, 0.3117



19.5391, 0.3090, 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.



73.5303, 0.3005, 0.2912



69.7164, 0.2972, 0.2817



76.7453, 0.3131, 0.2926



17.7856, 0.3051, 0.3049



5.8314, 0.1943, 0.0844



0.6318, 0.2068, 0.0913

Inverse Universe

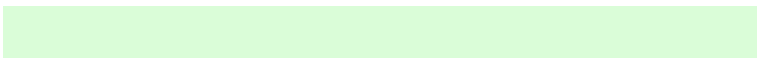
The Inverse Universe completely reimagines the original color for something new.



76.0584, 0.3259, 0.3091



72.8481, 0.3295, 0.3042



90.0755, 0.3120, 0.3679



18.1516, 0.3209, 0.3162



12.0997, 0.4788, 0.2411



1.2002, 0.4558, 0.2284

Previews

White Background



This preview shows how the Yxy color 73.5272, 0.3005, 0.2912 looks on a white background.

Color Contrast Check

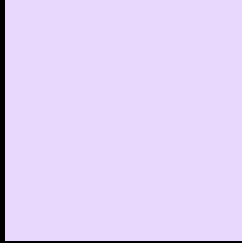
Large Text (above 18pt) WCAG AA × Fail

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 73.5272, 0.3005, 0.2912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

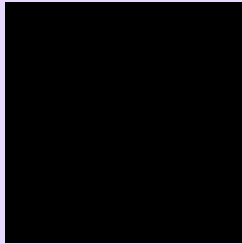
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.5272, 0.3005, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 73.5272, 0.3005, 0.2912.

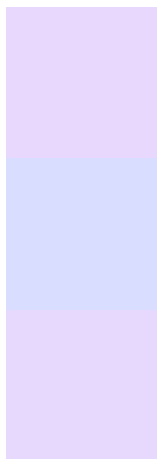


This preview shows how white text looks on a background with the Yxy color 73.5272, 0.3005, 0.2912.

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

73.5272, 0.3005, 0.2912

Protanopia

73.6846, 0.2887, 0.2933

Deuteranopia

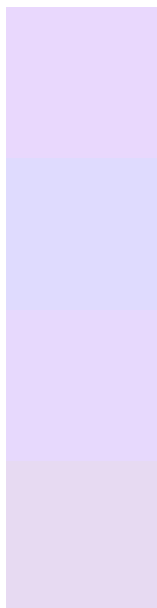
73.5406, 0.2985, 0.2920



Tritanopia

73.5422, 0.3093, 0.3112

Trichromacy



Original Color

73.5272, 0.3005, 0.2912

Protanomaly

73.5068, 0.2932, 0.2926

Deuteranomaly

73.7065, 0.2991, 0.2920

Tritanomaly

73.5425, 0.3061, 0.3040

Monochromacy



Original Color

73.5272, 0.3005, 0.2912

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

74.7347, 0.3085, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5272, 0.3005, 0.2912 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, 216, 253)` looks like.

```
.text, #text, p{  
    color:rgb(233, 216, 253)  
}
```

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, 216, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 216, 253) }
```

Border

The CSS property to change the border of an element to Yxy 73.5272, 0.3005, 0.2912 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, 216, 253) }
```

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

```
.border{ border-color:rgb(233, 216, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 216, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 216, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 216, 253);  
box-shadow:4px 4px 4px 4px rgb(233, 216,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 73.5272, 0.3005, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 216, 253) }
```

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

```
.background{ background-color: rgb(233,  
216, 253) }
```

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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