

Converting Colors

$Y_{xy}(76.4270, 0.2714, 0.2418)$

Have a look what the booklet for
Yxy(76.4270, 0.2714, 0.2418)
contains.

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Color

Yxy(72.6414, 0.3013, 0.2864)

Conversions

Conversions Part 1

Format	Color
Hex	ECD5FF
RGB	236, 213, 255
RGB Percent	93%, 84%, 100%
CMY	0.0747, 0.1646, 0.0001
CMYK	0.07, 0.16, 0.00, 0.00
HSL	273°, 100%, 92%
HSV	273°, 16%, 100%
XYZ	76.4206, 72.6414, 104.5742
YIQ	224.6650, 0.2260, 17.9380

Conversions

Conversions Part 2

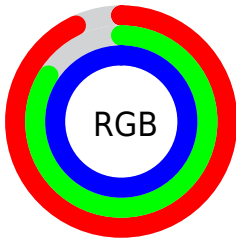
Format	Color
R _Y B	236, 213, 255
Decimal	15521279
CIE _{Lab}	88.28, 15.47, -17.54
CIE _{LCh}	88, 23.387, 311.412
Y _{xy}	72.6414, 0.3013, 0.2864
Android (android.graphics.Color)	4293711359 (0xFFECD5FF)
YUV	224.6650, 14.9552, 9.9408
Hunter-Lab	85.2299, 10.8979, -13.0858

Details

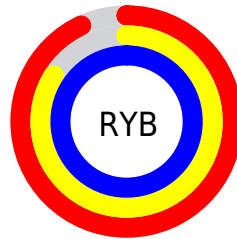
The Yxy color $72.6414, 0.3013, 0.2864$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.4684, 0.3226, 0.3720$, and the grayscale version is $74.9304, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $38.2342, 0.2986, 0.2768$ is the 20% darker color. If you saturate the color by 10%, you get $58.8940, 0.2928, 0.2582$, and if you desaturate by 10%, it is $88.5394, 0.3086, 0.3129$.

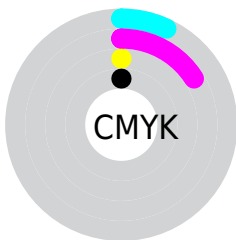
Distribution



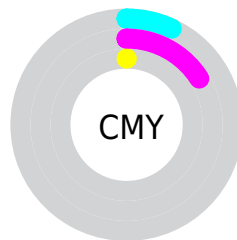
- Red (93%)
- Green (84%)
- Blue (100%)



- Red (93%)
- Yellow (84%)
- Blue (100%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6414, 0.3013, 0.2864 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 72.6414, 0.3013, 0.2864 by changing the saturation by 10% instead.


 72.6414, 0.3013,
0.2864

 72.6414, 0.3013,
0.2864


469.7710, 0.3068,
0.3055

 53.6828, 0.3000,
0.2822


122.9680, 0.3032,
0.2929

 38.3481, 0.2984,
0.2770


155.1048, 0.3040,
0.2955

 26.2530, 0.2963,
0.2706


192.4031, 0.3046,
0.2977

 17.0130, 0.2936,
0.2624

235.2473, 0.3052,
0.2997

 10.2438, 0.2898,
0.2516

284.0218, 0.3056,
0.3014

 5.5609, 0.2842,
0.2366

339.1110, 0.3061,

 2.5800, 0.2752,

0.3029

0.2148

400.8992, 0.3064,
0.3043

■ 0.9166, 0.2591,
0.1802

■ 0.0000, 0.1614,
0.0000

■ 72.6414, 0.3013,
0.2864

■ 72.6414, 0.3013,
0.2864

■ 58.8940, 0.2928,
0.2582

■ 88.5394, 0.3086,
0.3129

■ 47.1917, 0.2831,
0.2289

99.9980, 0.3127,
0.3290

■ 37.4335, 0.2723,
0.1995

■ 29.5063, 0.2606,
0.1712

■ 23.2846, 0.2483,
0.1455

■ 18.6266, 0.2361,
0.1238

■ 15.3665, 0.2243,
0.1072

■ 13.2976, 0.2135,
0.0961

■ 12.7400, 0.2099,
0.0930

Harmonies

Analogous

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



72.6414, 0.2768, 0.2824



72.6414, 0.3013, 0.2864



72.6414, 0.3300, 0.3005

Triad

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



72.6414, 0.3013, 0.2864



72.6414, 0.3655, 0.3660



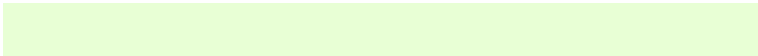
72.6414, 0.2719, 0.3347

Complementary

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



72.6414, 0.3013, 0.2864



93.4684, 0.3226, 0.3720

Split Complementary

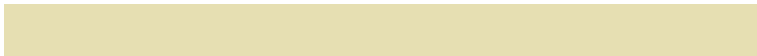
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.6414, 0.2942, 0.3603



72.6414, 0.3013, 0.2864



72.6414, 0.3484, 0.3781

Square

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



72.6414, 0.3013, 0.2864



72.6414, 0.3680, 0.3451



72.6414, 0.3222, 0.3765



72.6414, 0.2605, 0.3088

Rectangle

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



72.6414, 0.3013, 0.2864



72.6414, 0.3474, 0.3140



72.6414, 0.3222, 0.3765



72.6414, 0.2783, 0.3438

Sweetspot

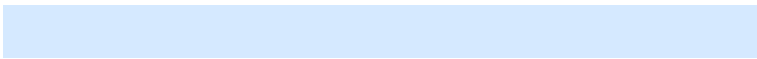
The Sweet Spot groups the original color and five complimentary colors.



72.6445, 0.3013, 0.2864



91.0534, 0.3096, 0.3166



79.4192, 0.2867, 0.3056



19.2297, 0.3091, 0.3149



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.



72.6445, 0.3013, 0.2864



67.5414, 0.2984, 0.2766



75.9838, 0.3156, 0.2894



17.8671, 0.3065, 0.3050



6.7487, 0.2115, 0.0939



0.7220, 0.2232, 0.1003

Inverse Universe

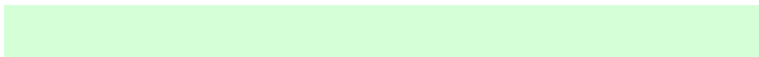
The Inverse Universe completely reimagines the original color for something new.



74.6840, 0.3305, 0.3100



69.9984, 0.3351, 0.3057



90.5271, 0.3098, 0.3721



18.1240, 0.3223, 0.3183



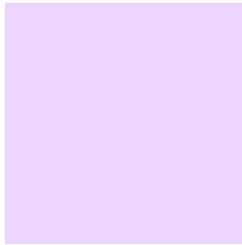
11.7920, 0.5162, 0.2617



1.1698, 0.4883, 0.2464

Previews

White Background



This preview shows how the Yxy color 72.6414, 0.3013, 0.2864 looks on a white background.

Color Contrast Check

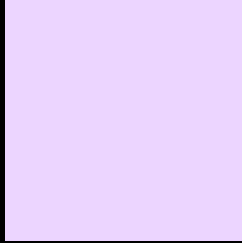
Large Text (above 18pt) WCAG AA × Fail

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 72.6414, 0.3013, 0.2864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

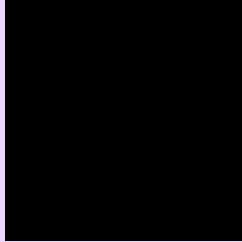
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

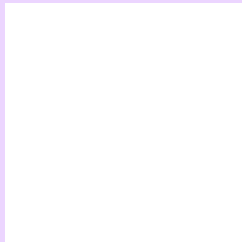
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.6414, 0.3013, 0.2864

Background



This preview shows how black text looks on a background with the Yxy color 72.6414, 0.3013, 0.2864.

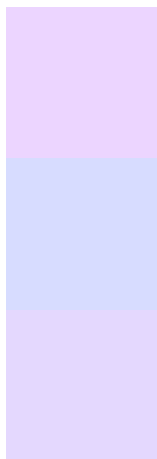


This preview shows how white text looks on a background with the Yxy color 72.6414, 0.3013, 0.2864.

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

72.6414, 0.3013, 0.2864

Protanopia

72.8535, 0.2873, 0.2921

Deuteranopia

72.7615, 0.2965, 0.2898



Tritanopia

72.8899, 0.3128, 0.3112

Trichromacy



Original Color

72.6414, 0.3013, 0.2864

Protanomaly

72.5337, 0.2925, 0.2895

Deuteranomaly

72.7456, 0.2985, 0.2890

Tritanomaly

73.0150, 0.3083, 0.3021

Monochromacy



Original Color

72.6414, 0.3013, 0.2864

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

74.4270, 0.3085, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6414, 0.3013, 0.2864 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(236, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 213, 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(236, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 213, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.6414, 0.3013, 0.2864 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(236, 213, 255) }
```

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

```
.border{ border-color:rgb(236, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 213,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6414, 0.3013, 0.2864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 213, 255) }
```

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

```
.background{ background-color: rgb(236,  
213, 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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