

Converting Colors

$Y_{xy}(72.9488, 0.2539, 0.2186)$

Have a look what the booklet for
Yxy(72.9488, 0.2539, 0.2186)
contains.

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Color

Yxy(67.2099, 0.2929, 0.2778)

Conversions

Conversions Part 1

Format	Color
Hex	E0CEFF
RGB	224, 206, 255
RGB Percent	88%, 81%, 100%
CMY	0.1216, 0.1921, 0.0000
CMYK	0.12, 0.19, 0.00, 0.00
HSL	262°, 100%, 90%
HSV	262°, 19%, 100%
XYZ	70.8631, 67.2099, 103.8632
YIQ	216.9680, -5.0010, 19.0550

Conversions

Conversions Part 2

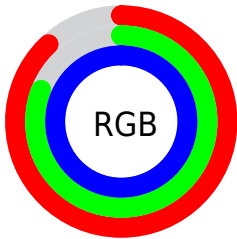
Format	Color
R _Y B	224, 206, 255
Decimal	14733055
CIE Lab	85.61, 15.41, -21.69
CIE LCh	86, 26.605, 305.391
Yxy	67.2099, 0.2929, 0.2778
Android (android.graphics.Color)	4292923135 (0xFFE0CEFF)
YUV	216.9680, 18.7498, 6.1671
Hunter-Lab	81.9816, 10.8236, -17.7279

Details

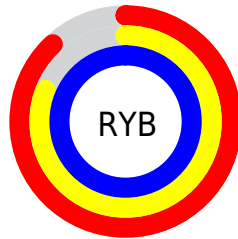
The Yxy color $67.2099, 0.2929, 0.2778$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.9822, 0.3299, 0.3789$, and the grayscale version is $69.2369, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.8585, 0.2877, 0.2669$ is the 20% darker color. If you saturate the color by 10%, you get $53.4561, 0.2803, 0.2479$, and if you desaturate by 10%, it is $83.2028, 0.3039, 0.3056$.

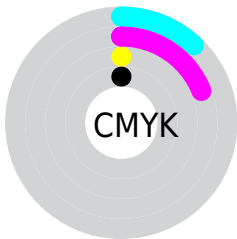
Distribution



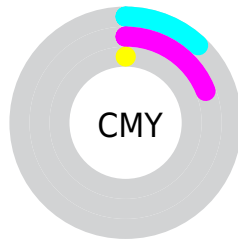
- Red (88%)
- Green (81%)
- Blue (100%)



- Red (88%)
- Yellow (81%)
- Blue (100%)



- Cyan (12%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2099, 0.2929, 0.2778 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 67.2099, 0.2929, 0.2778 by changing the saturation by 10% instead.


 67.2099, 0.2929,
0.2778

 67.2099, 0.2929,
0.2778


450.6915, 0.3024,
0.3010

 49.2552, 0.2907,
0.2726


115.2211, 0.2963,
0.2857

 34.8220, 0.2879,
0.2663


146.0465, 0.2975,
0.2889

 23.5258, 0.2843,
0.2584


181.9308, 0.2986,
0.2916

 14.9822, 0.2795,
0.2483

223.2586, 0.2996,
0.2939

 8.8069, 0.2730,
0.2349

270.4141, 0.3004,
0.2960

 4.6154, 0.2633,
0.2164

323.7819, 0.3012,

 2.0235, 0.2480,

0.2979

0.1892

383.7462, 0.3018,
0.2995

0.6210, 0.2220,
0.1417

0.0000, 0.0000,
0.0000

67.2099, 0.2929,
0.2778

67.2099, 0.2929,
0.2778

53.4561, 0.2803,
0.2479

83.2028, 0.3039,
0.3056

41.8346, 0.2662,
0.2165

100.0000, 0.3127,
0.3290

32.2359, 0.2508,
0.1847

24.5388, 0.2347,
0.1540

■ 18.6087, 0.2185,
0.1263

■ 14.2926, 0.2032,
0.1034

■ 11.4097, 0.1896,
0.0865

■ 9.6916, 0.1783,
0.0759

■ 9.5808, 0.1775,
0.0752

Harmonies

Analogous

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



67.2099, 0.2665, 0.2756



67.2099, 0.2929, 0.2778



67.2099, 0.3260, 0.2919

Triad

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



67.2099, 0.2929, 0.2778



67.2099, 0.3764, 0.3674



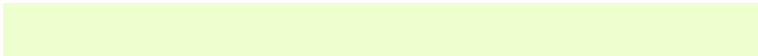
67.2099, 0.2695, 0.3420

Complementary

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



67.2099, 0.2929, 0.2778



93.9822, 0.3299, 0.3789

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.



67.2099, 0.2972, 0.3708



67.2099, 0.2929, 0.2778



67.2099, 0.3593, 0.3846

Square

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



67.2099, 0.2929, 0.2778



67.2099, 0.3757, 0.3419



67.2099, 0.3301, 0.3867



67.2099, 0.2536, 0.3107

Rectangle

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



67.2099, 0.2929, 0.2778



67.2099, 0.3475, 0.3065



67.2099, 0.3301, 0.3867



67.2099, 0.2777, 0.3524

Sweetspot

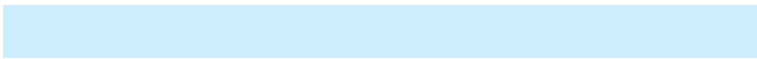
The Sweet Spot groups the original color and five complimentary colors.



67.2113, 0.2929, 0.2778



88.8335, 0.3071, 0.3140



80.9309, 0.2827, 0.3100



18.7649, 0.3065, 0.3123



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.



67.2113, 0.2929, 0.2778



61.7461, 0.2883, 0.2667



71.4065, 0.3102, 0.2804



17.7025, 0.3036, 0.3048



5.0833, 0.1791, 0.0760



0.5544, 0.1916, 0.0829

Inverse Universe

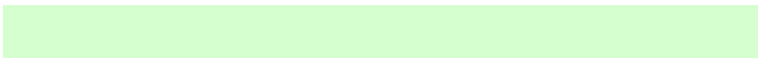
The Inverse Universe completely reimagines the original color for something new.



71.5194, 0.3276, 0.2981



66.8076, 0.3312, 0.2918



90.0534, 0.3143, 0.3814



18.1805, 0.3195, 0.3141



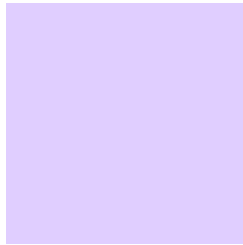
12.4897, 0.4411, 0.2204



1.2371, 0.4237, 0.2108

Previews

White Background



This preview shows how the Yxy color 67.2099, 0.2929, 0.2778 looks on a white background.

Color Contrast Check

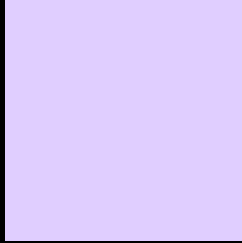
Large Text (above 18pt) WCAG AA × Fail

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 67.2099, 0.2929, 0.2778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

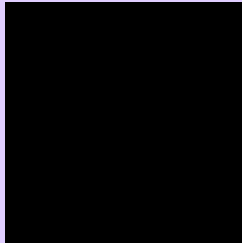
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.2099, 0.2929, 0.2778

Background



This preview shows how black text looks on a background with the Yxy color 67.2099, 0.2929, 0.2778.

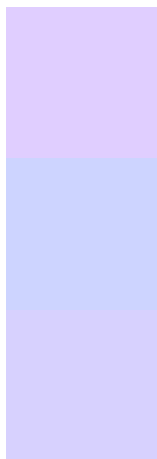


This preview shows how white text looks on a background with the Yxy color 67.2099, 0.2929, 0.2778.

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

67.2099, 0.2929, 0.2778

Protanopia

67.2861, 0.2804, 0.2826

Deuteranopia

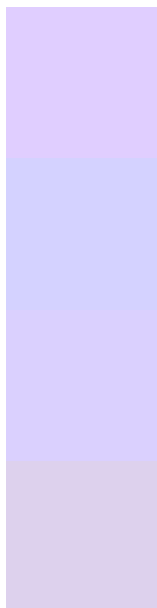
67.2038, 0.2875, 0.2811



Tritanopia

67.1947, 0.3077, 0.3115

Trichromacy



Original Color

67.2099, 0.2929, 0.2778

Protanomaly

67.3102, 0.2849, 0.2810

Deuteranomaly

67.1729, 0.2895, 0.2803

Tritanomaly

67.0875, 0.3025, 0.2989

Monochromacy



Original Color

67.2099, 0.2929, 0.2778

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.5737, 0.3057, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2099, 0.2929, 0.2778 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(224, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 206, 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(224, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.2099, 0.2929, 0.2778 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(224, 206, 255) }
```

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

```
.border{ border-color:rgb(224, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2099, 0.2929, 0.2778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 206, 255) }
```

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

```
.background{ background-color: rgb(224,  
206, 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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