

Converting Colors

Yxy(68.7502, 0.2999, 0.2830)

Have a look what the booklet for
Yxy(68.7502, 0.2999, 0.2830)
contains.

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Color

Yxy(68.6428, 0.2998, 0.2825)

Conversions

Conversions Part 1

Format	Color
Hex	E7CFFC
RGB	231, 207, 252
RGB Percent	91%, 81%, 99%
CMY	0.0940, 0.1883, 0.0118
CMYK	0.08, 0.18, 0.00, 0.01
HSL	272°, 88%, 90%
HSV	272°, 18%, 99%
XYZ	72.8464, 68.6428, 101.4942
YIQ	219.3060, -0.1410, 19.0830

Conversions

Conversions Part 2

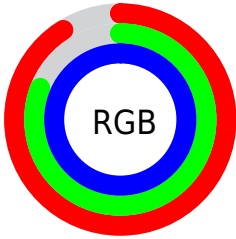
Format	Color
R _Y B	231, 207, 252
Decimal	15192060
CIE Lab	86.33, 16.51, -18.94
CIE LCh	86, 25.128, 311.070
Yxy	68.6428, 0.2998, 0.2825
Android (android.graphics.Color)	4293382140 (0xFFE7CFFC)
YUV	219.3060, 16.1181, 10.2556
Hunter-Lab	82.8510, 11.9563, -14.6358

Details

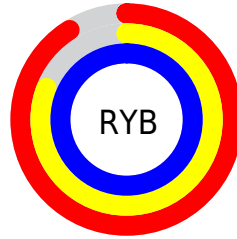
The Yxy color $68.6428, 0.2998, 0.2825$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $90.6016, 0.3238, 0.3759$, and the grayscale version is $70.9523, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.8366, 0.2965, 0.2730$ is the 20% darker color. If you saturate the color by 10%, you get $55.5077, 0.2909, 0.2540$, and if you desaturate by 10%, it is $83.8630, 0.3075, 0.3093$.

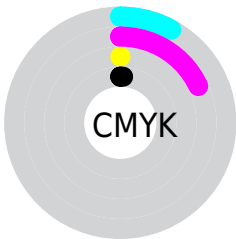
Distribution



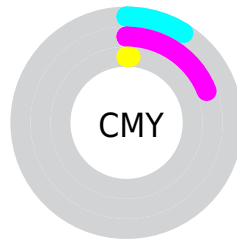
- Red (91%)
- Green (81%)
- Blue (99%)



- Red (91%)
- Yellow (81%)
- Blue (99%)



- Cyan (8%)
- Magenta (18%)
- Yellow (0%)
- Black (1%)





- Cyan (9%)
- Magenta (19%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6428, 0.2998, 0.2825 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 68.6428, 0.2998, 0.2825 by changing the saturation by 10% instead.

 68.6428, 0.2998,
0.2825

 68.6428, 0.2998,
0.2825


455.7701, 0.3061,
0.3035

 50.4209, 0.2983,
0.2778


117.2712, 0.3020,
0.2897

 35.7479, 0.2964,
0.2721


148.4465, 0.3029,
0.2925

 24.2396, 0.2940,
0.2650

184.7084, 0.3036,
0.2950

 15.5114, 0.2908,
0.2558

226.4412, 0.3042,
0.2971

 9.1791, 0.2863,
0.2437

274.0294, 0.3048,
0.2990

 4.8582, 0.2796,
0.2268

327.8574, 0.3053,

 2.1643, 0.2687,

0.3007

0.2021

388.3095, 0.3057,
0.3022

0.7004, 0.2494,
0.1603

0.0000, 0.0184,
0.0000

68.6428, 0.2998,
0.2825

68.6428, 0.2998,
0.2825

55.5077, 0.2909,
0.2540

83.8630, 0.3075,
0.3093

44.3541, 0.2807,
0.2245

99.7133, 0.3141,
0.3319

35.0827, 0.2695,
0.1951

99.8075, 0.3145,
0.3319

27.5817, 0.2574,
0.1669

■ 21.7272, 0.2448,
0.1414

■ 17.3784, 0.2323,
0.1201

■ 14.3698, 0.2204,
0.1041

■ 12.4801, 0.2096,
0.0935

■ 12.1523, 0.2074,
0.0916

Harmonies

Analogous

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



68.6428, 0.2732, 0.2782



68.6428, 0.2998, 0.2825



68.6428, 0.3312, 0.2977

Triad

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



68.6428, 0.2998, 0.2825



68.6428, 0.3706, 0.3691



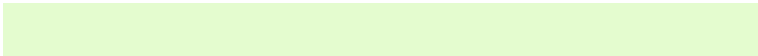
68.6428, 0.2683, 0.3355

Complementary

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



68.6428, 0.2998, 0.2825



90.6016, 0.3238, 0.3759

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.



68.6428, 0.2927, 0.3637



68.6428, 0.2998, 0.2825



68.6428, 0.3520, 0.3827

Square

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



68.6428, 0.2998, 0.2825



68.6428, 0.3732, 0.3461



68.6428, 0.3233, 0.3814



68.6428, 0.2558, 0.3070

Rectangle

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



68.6428, 0.2998, 0.2825



68.6428, 0.3505, 0.3123



68.6428, 0.3233, 0.3814



68.6428, 0.2754, 0.3455

Sweetspot

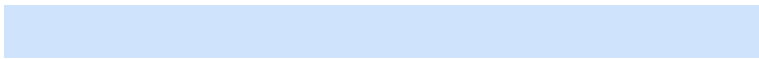
The Sweet Spot groups the original color and five complimentary colors.



68.6457, 0.2998, 0.2825



91.0248, 0.3095, 0.3166



75.7735, 0.2844, 0.3034



19.2228, 0.3090, 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.



68.6457, 0.2998, 0.2825



66.0383, 0.2971, 0.2737



72.2482, 0.3158, 0.2860



17.0998, 0.3063, 0.3051



6.4197, 0.2091, 0.0925



0.6577, 0.2215, 0.0994

Inverse Universe

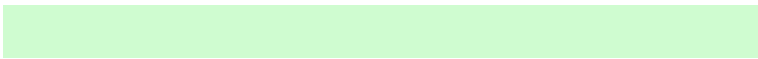
The Inverse Universe completely reimagines the original color for something new.



70.9134, 0.3318, 0.3078



68.7552, 0.3360, 0.3039



87.4558, 0.3096, 0.3761



17.3597, 0.3221, 0.3180



11.4824, 0.5109, 0.2588



1.0847, 0.4823, 0.2431

Previews

White Background



This preview shows how the Yxy color 68.6428, 0.2998, 0.2825 looks on a white background.

Color Contrast Check

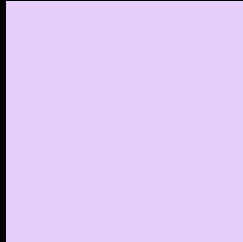
Large Text (above 18pt) WCAG AA × Fail

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 68.6428, 0.2998, 0.2825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

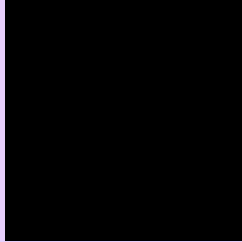
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

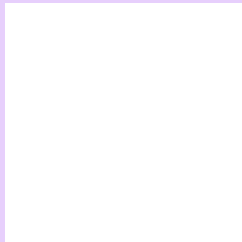
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6428, 0.2998, 0.2825

Background



This preview shows how black text looks on a background with the Yxy color 68.6428, 0.2998, 0.2825.

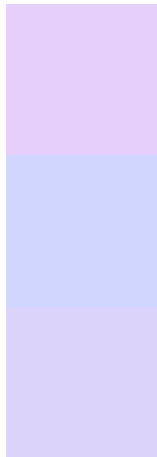


This preview shows how white text looks on a background with the Yxy color 68.6428, 0.2998, 0.2825.

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

68.6428, 0.2998, 0.2825

Protanopia

68.7230, 0.2825, 0.2850

Deuteranopia

68.7692, 0.2928, 0.2867



Tritanopia

68.5209, 0.3128, 0.3108

Trichromacy



Original Color

68.6428, 0.2998, 0.2825

Protanomaly

68.3432, 0.2882, 0.2834

Deuteranomaly

68.9055, 0.2955, 0.2860

Tritanomaly

68.7016, 0.3075, 0.3004

Monochromacy



Original Color

68.6428, 0.2998, 0.2825

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.0584, 0.3078, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6428, 0.2998, 0.2825 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(231, 207, 252)` looks like.

```
.text, #text, p{  
    color:rgb(231, 207, 252)  
}
```

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(231, 207, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 207, 252) }
```

Border

The CSS property to change the border of an element to Yxy 68.6428, 0.2998, 0.2825 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(231, 207, 252) }
```

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

```
.border{ border-color:rgb(231, 207, 252) }
```

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

Here you see how a box with a 4 pixel rgb(231, 207, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 207, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 207, 252);  
box-shadow:4px 4px 4px 4px rgb(231, 207,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6428, 0.2998, 0.2825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 207, 252) }
```

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

```
.background{ background-color: rgb(231,  
207, 252) }
```

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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