

Converting Colors

Yxy(71.4180, 0.2648, 0.2246)

Have a look what the booklet for
Yxy(71.4180, 0.2648, 0.2246)
contains.

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Color

Yxy(66.9535, 0.2999, 0.2747)

Conversions

Conversions Part 1

Format	Color
Hex	EACAFF
RGB	234, 202, 255
RGB Percent	92%, 79%, 100%
CMY	0.0825, 0.2078, 0.0000
CMYK	0.08, 0.21, 0.00, 0.00
HSL	276°, 100%, 90%
HSV	276°, 21%, 100%
XYZ	73.0956, 66.9535, 103.6841
YIQ	217.6100, 2.0590, 23.2670

Conversions

Conversions Part 2

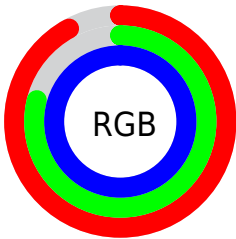
Format	Color
R_{YB}	234, 202, 255
Decimal	15387391
CIE _{Lab}	85.48, 20.68, -21.80
CIE _{LCh}	85, 30.046, 313.489
Yxy	66.9535, 0.2999, 0.2747
Android (android.graphics.Color)	4293577471 (0xFFEACAFF)
YUV	217.6100, 18.4333, 14.3740
Hunter-Lab	81.8251, 16.2627, -17.8513

Details

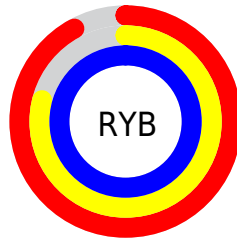
The Yxy color $66.9535, 0.2999, 0.2747$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $91.4800, 0.3232, 0.3846$, and the grayscale version is $69.6979, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.7220, 0.2967, 0.2632$ is the 20% darker color. If you saturate the color by 10%, you get $54.2966, 0.2921, 0.2464$, and if you desaturate by 10%, it is $81.6900, 0.3066, 0.3018$.

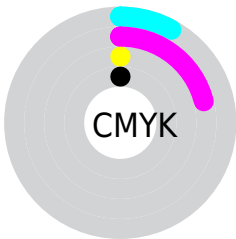
Distribution



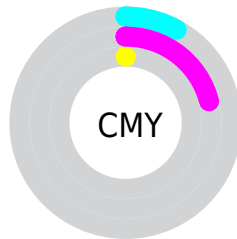
- Red (92%)
- Green (79%)
- Blue (100%)



- Red (92%)
- Yellow (79%)
- Blue (100%)



- Cyan (8%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9535, 0.2999, 0.2747 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 66.9535, 0.2999, 0.2747 by changing the saturation by 10% instead.

66.9535, 0.2999,
0.2747

66.9535, 0.2999,
0.2747

449.7792, 0.3062,
0.2992

49.0468, 0.2984,
0.2693

114.8538, 0.3022,
0.2830

34.6566, 0.2964,
0.2627

145.6162, 0.3030,
0.2863

23.3985, 0.2939,
0.2545

181.4326, 0.3038,
0.2892

14.8880, 0.2905,
0.2440

222.6875, 0.3044,
0.2917

8.7408, 0.2857,
0.2301

269.7652, 0.3050,
0.2939

4.5725, 0.2785,
0.2110

323.0501, 0.3054,

1.9987, 0.2668,

0.2958

0.1834

382.9267, 0.3059,
0.2976

0.6067, 0.2464,
0.1353

0.0000, 0.0290,
0.0000

66.9535, 0.2999,
0.2747

66.9535, 0.2999,
0.2747

54.2966, 0.2921,
0.2464

81.6900, 0.3066,
0.3018

43.6137, 0.2833,
0.2176

98.5912, 0.3123,
0.3271

34.8003, 0.2735,
0.1894

100.0000, 0.3127,
0.3290

27.7391, 0.2630,
0.1631

■ 22.2992, 0.2521,
0.1400

■ 18.3305, 0.2413,
0.1214

■ 15.6535, 0.2310,
0.1079

■ 14.0699, 0.2221,
0.0997

Harmonies

Analogous

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



66.9535, 0.2675, 0.2683



66.9535, 0.2999, 0.2747



66.9535, 0.3378, 0.2935

Triad

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



66.9535, 0.2999, 0.2747



66.9535, 0.3812, 0.3785



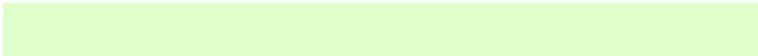
66.9535, 0.2577, 0.3336

Complementary

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



66.9535, 0.2999, 0.2747



91.4800, 0.3232, 0.3846

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.



66.9535, 0.2857, 0.3688



66.9535, 0.2999, 0.2747



66.9535, 0.3572, 0.3945

Square

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



66.9535, 0.2999, 0.2747



66.9535, 0.3864, 0.3513



66.9535, 0.3220, 0.3918



66.9535, 0.2443, 0.2996

Rectangle

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



66.9535, 0.2999, 0.2747



66.9535, 0.3607, 0.3111



66.9535, 0.3220, 0.3918



66.9535, 0.2656, 0.3459

Sweetspot

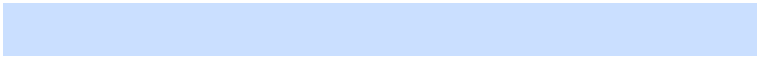
The Sweet Spot groups the original color and five complimentary colors.



66.9558, 0.2999, 0.2747



89.4901, 0.3095, 0.3141



72.6659, 0.2793, 0.2948



18.9200, 0.3091, 0.3125



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.



66.9558, 0.2999, 0.2747



61.3639, 0.2967, 0.2629



70.3917, 0.3189, 0.2821



17.9197, 0.3074, 0.3051



7.4410, 0.2237, 0.1006



0.7880, 0.2345, 0.1065

Inverse Universe

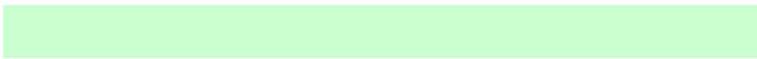
The Inverse Universe completely reimagines the original color for something new.



68.8384, 0.3384, 0.3078



63.6172, 0.3450, 0.3032



88.5991, 0.3071, 0.3809



18.1065, 0.3232, 0.3196



11.6293, 0.5397, 0.2747



1.1531, 0.5094, 0.2580

Previews

White Background



This preview shows how the Yxy color 66.9535, 0.2999, 0.2747 looks on a white background.

Color Contrast Check

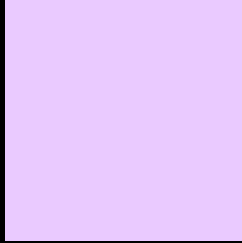
Large Text (above 18pt) WCAG AA × Fail

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 66.9535, 0.2999, 0.2747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

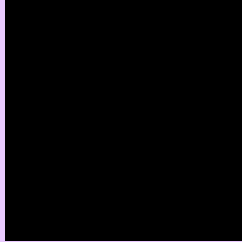
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

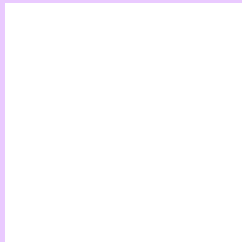
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.9535, 0.2999, 0.2747

Background



This preview shows how black text looks on a background with the Yxy color 66.9535, 0.2999, 0.2747.

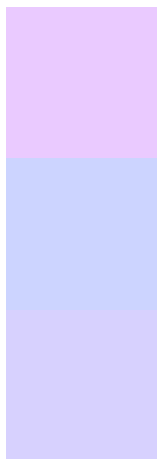


This preview shows how white text looks on a background with the Yxy color 66.9535, 0.2999, 0.2747.

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

66.9535, 0.2999, 0.2747

Protanopia

67.1443, 0.2797, 0.2825

Deuteranopia

67.2038, 0.2875, 0.2811



Tritanopia

67.1516, 0.3173, 0.3118

Trichromacy



Original Color

66.9535, 0.2999, 0.2747

Protanomaly

66.7788, 0.2868, 0.2791

Deuteranomaly

66.8280, 0.2922, 0.2786

Tritanomaly

67.1297, 0.3112, 0.2983

Monochromacy



Original Color

66.9535, 0.2999, 0.2747

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

68.7038, 0.3086, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9535, 0.2999, 0.2747 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(234, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 202, 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(234, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.9535, 0.2999, 0.2747 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(234, 202, 255) }
```

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

```
.border{ border-color:rgb(234, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 202,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9535, 0.2999, 0.2747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 202, 255) }
```

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

```
.background{ background-color: rgb(234,  
202, 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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