

Converting Colors

$Yxy(67.6967, 0.2991, 0.2767)$

Have a look what the booklet for
Yxy(67.6967, 0.2991, 0.2767)
contains.

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Color

Yxy(67.7294, 0.2992, 0.2767)

Conversions

Conversions Part 1

Format	Color
Hex	E9CCFF
RGB	233, 204, 255
RGB Percent	91%, 80%, 100%
CMY	0.0864, 0.1999, 0.0000
CMYK	0.09, 0.20, 0.00, 0.00
HSL	274°, 100%, 90%
HSV	274°, 20%, 100%
XYZ	73.2369, 67.7294, 103.8093
YIQ	218.4850, 0.9130, 22.0090

Conversions

Conversions Part 2

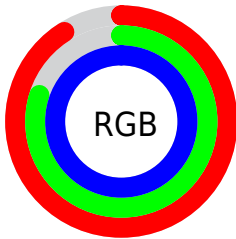
Format	Color
RYB	233, 204, 255
Decimal	15322367
CIELab	85.87, 19.29, -21.20
CIElCh	86, 28.666, 312.293
Yxy	67.7294, 0.2992, 0.2767
Android (android.graphics.Color)	4293512447 (0xFFE9CCFF)
YUV	218.4850, 18.0019, 12.7297
Hunter-Lab	82.2979, 14.8258, -17.1790

Details

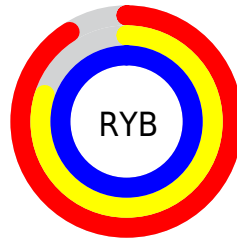
The Yxy color $67.7294, 0.2992, 0.2767$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $92.0479, 0.3240, 0.3821$, and the grayscale version is $70.3354, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.2370, 0.2958, 0.2657$ is the 20% darker color. If you saturate the color by 10%, you get $54.7893, 0.2907, 0.2482$, and if you desaturate by 10%, it is $82.7752, 0.3065, 0.3038$.

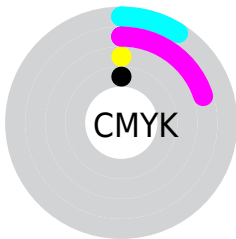
Distribution



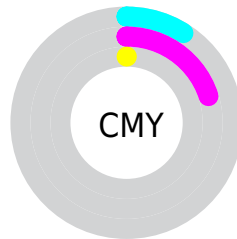
- Red (91%)
- Green (80%)
- Blue (100%)



- Red (91%)
- Yellow (80%)
- Blue (100%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7294, 0.2992, 0.2767 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 67.7294, 0.2992, 0.2767 by changing the saturation by 10% instead.


 67.7294, 0.2992,
0.2767

 67.7294, 0.2992,
0.2767


452.5367, 0.3058,
0.3003

 49.6776, 0.2976,
0.2715


115.9649, 0.3016,
0.2847

 35.1573, 0.2956,
0.2651


146.9175, 0.3025,
0.2879

 23.7841, 0.2930,
0.2572

182.9391, 0.3032,
0.2907

 15.1735, 0.2895,
0.2471

224.4142, 0.3039,
0.2931

 8.9413, 0.2847,
0.2337

271.7270, 0.3045,
0.2952

 4.7029, 0.2774,
0.2152

325.2622, 0.3050,

 2.0740, 0.2656,

0.2971

0.1884

385.4039, 0.3054,
0.2987

0.6500, 0.2449,
0.1430

0.0000, 0.0357,
0.0000

67.7294, 0.2992,
0.2767

67.7294, 0.2992,
0.2767

54.7893, 0.2907,
0.2482

82.7752, 0.3065,
0.3038

43.8479, 0.2811,
0.2190

99.9992, 0.3127,
0.3290

34.8013, 0.2705,
0.1902

27.5328, 0.2591,
0.1630

■ 21.9120, 0.2473,
0.1390

■ 17.7901, 0.2357,
0.1193

■ 14.9902, 0.2246,
0.1049

■ 13.2244, 0.2144,
0.0955

■ 13.2226, 0.2144,
0.0955

Harmonies

Analogous

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



67.7294, 0.2686, 0.2712



67.7294, 0.2992, 0.2767



67.7294, 0.3352, 0.2943

Triad

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



67.7294, 0.2992, 0.2767



67.7294, 0.3785, 0.3754



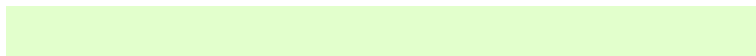
67.7294, 0.2612, 0.3349

Complementary

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



67.7294, 0.2992, 0.2767



92.0479, 0.3240, 0.3821

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.



67.7294, 0.2884, 0.3678



67.7294, 0.2992, 0.2767



67.7294, 0.3563, 0.3909

Square

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



67.7294, 0.2992, 0.2767



67.7294, 0.3824, 0.3493



67.7294, 0.3231, 0.3890



67.7294, 0.2477, 0.3023

Rectangle

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



67.7294, 0.2992, 0.2767



67.7294, 0.3572, 0.3109



67.7294, 0.3231, 0.3890



67.7294, 0.2689, 0.3464

Sweetspot

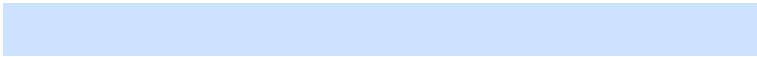
The Sweet Spot groups the original color and five complimentary colors.



67.7323, 0.2992, 0.2767



89.3914, 0.3091, 0.3141



74.5095, 0.2808, 0.2981



18.8967, 0.3087, 0.3124



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.



67.7323, 0.2992, 0.2767



62.3001, 0.2959, 0.2654



71.4550, 0.3174, 0.2823



17.8868, 0.3068, 0.3051



6.9998, 0.2160, 0.0963



0.7461, 0.2274, 0.1026

Inverse Universe

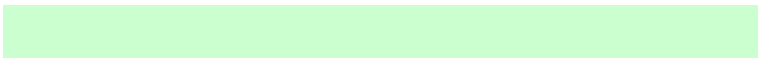
The Inverse Universe completely reimagines the original color for something new.



69.9459, 0.3359, 0.3068



64.9347, 0.3417, 0.3021



88.8777, 0.3082, 0.3806



18.1174, 0.3226, 0.3188



11.7276, 0.5252, 0.2667



1.1633, 0.4963, 0.2508

Previews

White Background



This preview shows how the Yxy color 67.7294, 0.2992, 0.2767 looks on a white background.

Color Contrast Check

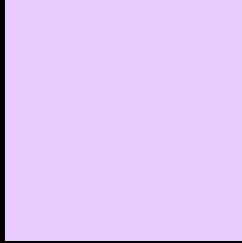
Large Text (above 18pt) WCAG AA × Fail

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 67.7294, 0.2992, 0.2767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

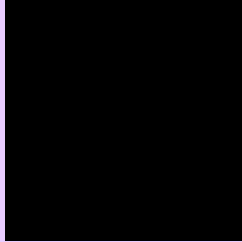
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7294, 0.2992, 0.2767

Background



This preview shows how black text looks on a background with the Yxy color 67.7294, 0.2992, 0.2767.

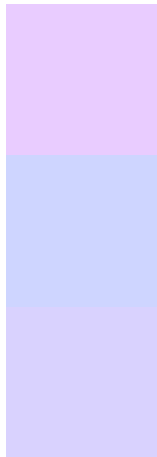


This preview shows how white text looks on a background with the Yxy color 67.7294, 0.2992, 0.2767.

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

67.7294, 0.2992, 0.2767

Protanopia

67.9303, 0.2811, 0.2838

Deuteranopia

68.0007, 0.2889, 0.2824



Tritanopia

67.5859, 0.3151, 0.3107

Trichromacy



Original Color

67.7294, 0.2992, 0.2767

Protanomaly

67.9121, 0.2876, 0.2813

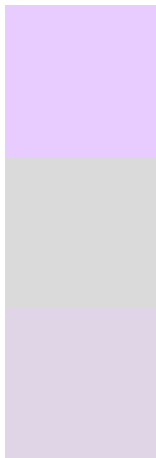
Deuteranomaly

67.9555, 0.2929, 0.2808

Tritanomaly

67.5631, 0.3090, 0.2973

Monochromacy



Original Color

67.7294, 0.2992, 0.2767

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.0460, 0.3078, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7294, 0.2992, 0.2767 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, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 204, 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(233, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.7294, 0.2992, 0.2767 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, 204, 255) }
```

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

```
.border{ border-color:rgb(233, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 204,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 67.7294, 0.2992, 0.2767$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 204, 255) }
```

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

```
.background{ background-color: rgb(233,  
204, 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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