

Converting Colors

Yxy(69.3320, 0.2901, 0.2649)

Have a look what the booklet for
Yxy(69.3320, 0.2901, 0.2649)
contains.

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Color

Yxy(68.2063, 0.2992, 0.2777)

Conversions

Conversions Part 1

Format	Color
Hex	E9CDFF
RGB	233, 205, 255
RGB Percent	91%, 80%, 100%
CMY	0.0863, 0.1961, 0.0000
CMYK	0.09, 0.20, 0.00, 0.00
HSL	274°, 100%, 90%
HSV	274°, 20%, 100%
XYZ	73.4869, 68.2063, 103.9182
YIQ	219.0720, 0.6380, 21.4860

Conversions

Conversions Part 2

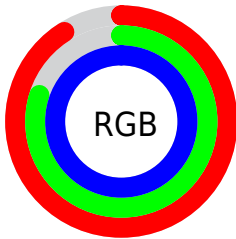
Format	Color
R _Y B	233, 205, 255
Decimal	15322623
CIE _{Lab}	86.11, 18.78, -20.86
CIE _{LCh}	86, 28.071, 311.998
Yxy	68.2063, 0.2992, 0.2777
Android (android.graphics.Color)	4293512703 (0xFFE9CDFF)
YUV	219.0720, 17.7125, 12.2149
Hunter-Lab	82.5871, 14.3039, -16.7928

Details

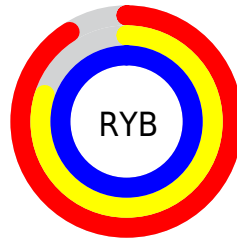
The Yxy color **68.2063, 0.2992, 0.2777** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.2603, 0.3240, 0.3810**, and the grayscale version is **70.7656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.5575, 0.2958, 0.2670** is the 20% darker color. If you saturate the color by 10%, you get **55.1565, 0.2906, 0.2492**, and if you desaturate by 10%, it is **83.3671, 0.3066, 0.3048**.

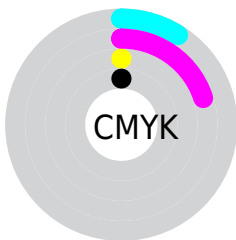
Distribution



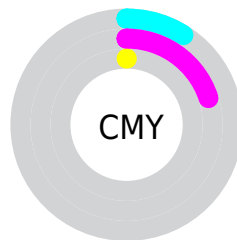
- Red (91%)
- Green (80%)
- Blue (100%)



- 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 68.2063, 0.2992, 0.2777 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 68.2063, 0.2992, 0.2777 by changing the saturation by 10% instead.

68.2063, 0.2992,
0.2777

68.2063, 0.2992,
0.2777

454.2266, 0.3058,
0.3008

50.0656, 0.2976,
0.2726

116.6472, 0.3016,
0.2856

35.4655, 0.2956,
0.2663

147.7162, 0.3025,
0.2887

24.0217, 0.2931,
0.2586

183.8634, 0.3032,
0.2914

15.3497, 0.2896,
0.2486

225.4733, 0.3039,
0.2937

9.0652, 0.2848,
0.2355

272.9301, 0.3045,
0.2958

4.7837, 0.2776,
0.2174

326.6183, 0.3050,

2.1209, 0.2660,

0.2977

0.1911

386.9224, 0.3054,
0.2993

0.6764, 0.2455,
0.1471

0.0000, 0.0473,
0.0000

68.2063, 0.2992,
0.2777

68.2063, 0.2992,
0.2777

55.1565, 0.2906,
0.2492

83.3671, 0.3066,
0.3048

44.1151, 0.2809,
0.2199

100.0000, 0.3127,
0.3290

34.9771, 0.2701,
0.1909

27.6259, 0.2585,
0.1635

■ 21.9317, 0.2465,
0.1392

■ 17.7464, 0.2346,
0.1192

■ 14.8941, 0.2234,
0.1045

■ 13.1003, 0.2131,
0.0949

■ 13.0391, 0.2127,
0.0945

Harmonies

Analogous

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



68.2063, 0.2694, 0.2724



68.2063, 0.2992, 0.2777



68.2063, 0.3344, 0.2948

Triad

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



68.2063, 0.2992, 0.2777



68.2063, 0.3771, 0.3742



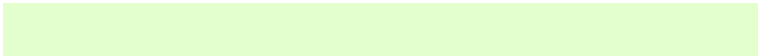
68.2063, 0.2625, 0.3351

Complementary

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



68.2063, 0.2992, 0.2777



92.2603, 0.3240, 0.3810

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.



68.2063, 0.2893, 0.3672



68.2063, 0.2992, 0.2777



68.2063, 0.3556, 0.3894

Square

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



68.2063, 0.2992, 0.2777



68.2063, 0.3808, 0.3486



68.2063, 0.3233, 0.3876



68.2063, 0.2492, 0.3033

Rectangle

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



68.2063, 0.2992, 0.2777



68.2063, 0.3559, 0.3111



68.2063, 0.3233, 0.3876



68.2063, 0.2702, 0.3464

Sweetspot

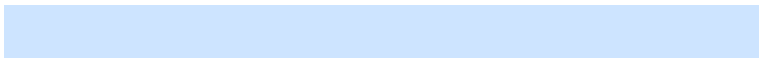
The Sweet Spot groups the original color and five complimentary colors.



68.2077, 0.2992, 0.2777



89.3688, 0.3090, 0.3141



75.4132, 0.2814, 0.2996



18.8913, 0.3086, 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.



68.2077, 0.2992, 0.2777



62.2192, 0.2956, 0.2653



71.9848, 0.3167, 0.2824



17.8793, 0.3067, 0.3051



6.9032, 0.2143, 0.0954



0.7369, 0.2258, 0.1018

Inverse Universe

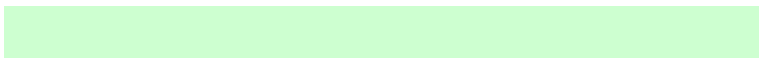
The Inverse Universe completely reimagines the original color for something new.



70.4713, 0.3350, 0.3069



64.9610, 0.3413, 0.3017



89.0295, 0.3088, 0.3804



18.1199, 0.3225, 0.3186



11.7516, 0.5218, 0.2648



1.1657, 0.4933, 0.2491

Previews

White Background



This preview shows how the Yxy color 68.2063, 0.2992, 0.2777 looks on a white background.

Color Contrast Check

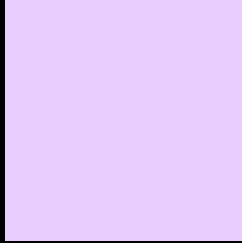
Large Text (above 18pt) WCAG AA × Fail

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 68.2063, 0.2992, 0.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

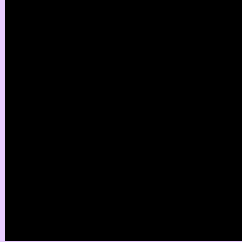
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.2063, 0.2992, 0.2777

Background



This preview shows how black text looks on a background with the Yxy color 68.2063, 0.2992, 0.2777.

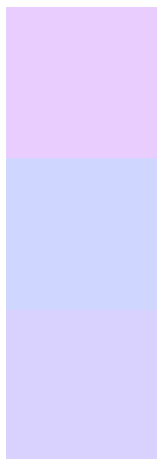


This preview shows how white text looks on a background with the Yxy color 68.2063, 0.2992, 0.2777.

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

68.2063, 0.2992, 0.2777

Protanopia

68.5785, 0.2818, 0.2849

Deuteranopia

68.1544, 0.2895, 0.2825



Tritanopia

68.2973, 0.3150, 0.3108

Trichromacy



Original Color

68.2063, 0.2992, 0.2777

Protanomaly

68.4075, 0.2876, 0.2824

Deuteranomaly

67.9555, 0.2929, 0.2808

Tritanomaly

68.0492, 0.3090, 0.2984

Monochromacy



Original Color

68.2063, 0.2992, 0.2777

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

69.7666, 0.3079, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2063, 0.2992, 0.2777 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, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 205, 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, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.2063, 0.2992, 0.2777 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, 205, 255) }
```

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

```
.border{ border-color:rgb(233, 205, 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, 205, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2063, 0.2992, 0.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 205, 255) }
```

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

```
.background{ background-color: rgb(233,  
205, 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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