

Converting Colors

$Yxy(67.9930, 0.2977, 0.2765)$

Have a look what the booklet for
Yxy(67.9930, 0.2977, 0.2765)
contains.

Yxy(68.0384, 0.2985, 0.2776)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.0384, 0.2985, 0.2776)

Conversions

Conversions Part 1

Format	Color
Hex	E8CDFF
RGB	232, 205, 255
RGB Percent	91%, 80%, 100%
CMY	0.0902, 0.1961, 0.0000
CMYK	0.09, 0.20, 0.00, 0.00
HSL	272°, 100%, 90%
HSV	272°, 20%, 100%
XYZ	73.1609, 68.0384, 103.8958
YIQ	218.7730, 0.0420, 21.2740

Conversions

Conversions Part 2

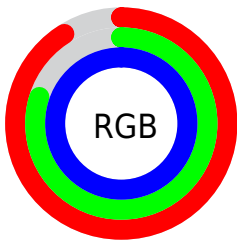
Format	Color
R _Y B	232, 205, 255
Decimal	15257087
CIE Lab	86.03, 18.46, -20.99
CIE LCh	86, 27.957, 311.334
Yxy	68.0384, 0.2985, 0.2776
Android (android.graphics.Color)	4293447167 (0xFFE8CDFF)
YUV	218.7730, 17.8599, 11.6001
Hunter-Lab	82.4854, 13.9722, -16.9399

Details

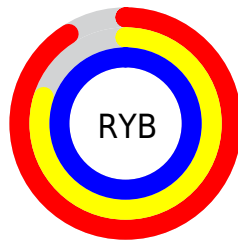
The Yxy color **68.0384, 0.2985, 0.2776** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.4229, 0.3247, 0.3809**, and the grayscale version is **70.5477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.4405, 0.2949, 0.2669** is the 20% darker color. If you saturate the color by 10%, you get **54.9201, 0.2895, 0.2489**, and if you desaturate by 10%, it is **83.2797, 0.3063, 0.3048**.

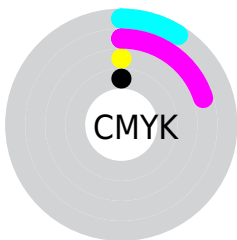
Distribution



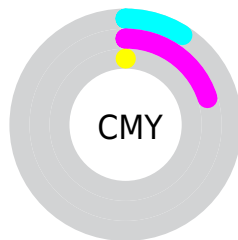
- Red (91%)
- Green (80%)
- Blue (100%)



- 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 68.0384, 0.2985, 0.2776 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 68.0384, 0.2985, 0.2776 by changing the saturation by 10% instead.

68.0384, 0.2985,
0.2776

68.0384, 0.2985,
0.2776

453.6321, 0.3054,
0.3008

49.9290, 0.2968,
0.2725

116.4071, 0.3010,
0.2855

35.3570, 0.2948,
0.2662

147.4351, 0.3019,
0.2886

23.9380, 0.2921,
0.2584

183.5382, 0.3027,
0.2913

15.2876, 0.2885,
0.2484

225.1006, 0.3034,
0.2937

9.0215, 0.2835,
0.2352

272.5068, 0.3040,
0.2958

4.7552, 0.2760,
0.2170

326.1412, 0.3045,

2.1044, 0.2640,

0.2976

0.1906

386.3881, 0.3050,
0.2993

0.6671, 0.2428,
0.1461

0.0000, 0.0319,
0.0000

68.0384, 0.2985,
0.2776

68.0384, 0.2985,
0.2776

54.9201, 0.2895,
0.2489

83.2797, 0.3063,
0.3048

43.8202, 0.2792,
0.2194

100.0000, 0.3127,
0.3290

34.6340, 0.2679,
0.1901

27.2446, 0.2559,
0.1624

■ 21.5216, 0.2434,
0.1377

■ 17.3168, 0.2311,
0.1173

■ 14.4536, 0.2194,
0.1024

■ 12.6574, 0.2089,
0.0925

■ 12.5962, 0.2085,
0.0922

Harmonies

Analogous

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



68.0384, 0.2690, 0.2726



68.0384, 0.2985, 0.2776



68.0384, 0.3335, 0.2944

Triad

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



68.0384, 0.2985, 0.2776



68.0384, 0.3772, 0.3736



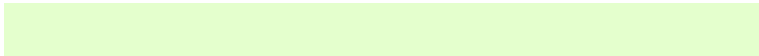
68.0384, 0.2632, 0.3358

Complementary

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



68.0384, 0.2985, 0.2776



92.4229, 0.3247, 0.3809

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.



68.0384, 0.2900, 0.3677



68.0384, 0.2985, 0.2776



68.0384, 0.3561, 0.3891

Square

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



68.0384, 0.2985, 0.2776



68.0384, 0.3804, 0.3480



68.0384, 0.3240, 0.3877



68.0384, 0.2495, 0.3040

Rectangle

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



68.0384, 0.2985, 0.2776



68.0384, 0.3551, 0.3105



68.0384, 0.3240, 0.3877



68.0384, 0.2709, 0.3470

Sweetspot

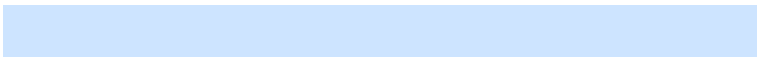
The Sweet Spot groups the original color and five complimentary colors.



68.0403, 0.2985, 0.2776



89.3130, 0.3088, 0.3141



75.8715, 0.2815, 0.3005



18.8782, 0.3084, 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.



68.0403, 0.2985, 0.2776



62.0201, 0.2947, 0.2652



72.0379, 0.3162, 0.2817



17.8608, 0.3064, 0.3050



6.6717, 0.2101, 0.0931



0.7146, 0.2219, 0.0996

Inverse Universe

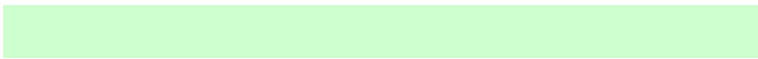
The Inverse Universe completely reimagines the original color for something new.



70.5265, 0.3343, 0.3059



65.0262, 0.3404, 0.3004



88.9887, 0.3092, 0.3814



18.1261, 0.3222, 0.3181



11.8132, 0.5134, 0.2602



1.1720, 0.4858, 0.2450

Previews

White Background



This preview shows how the Yxy color 68.0384, 0.2985, 0.2776 looks on a white background.

Color Contrast Check

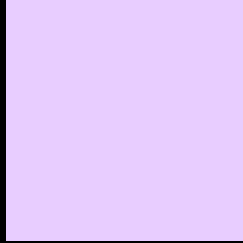
Large Text (above 18pt) WCAG AA × Fail

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 68.0384, 0.2985, 0.2776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

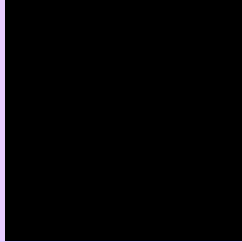
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0384, 0.2985, 0.2776

Background



This preview shows how black text looks on a background with the Yxy color 68.0384, 0.2985, 0.2776.

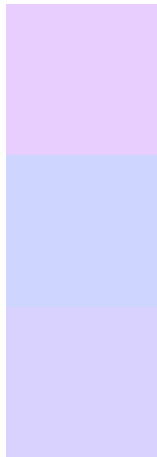


This preview shows how white text looks on a background with the Yxy color 68.0384, 0.2985, 0.2776.

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

68.0384, 0.2985, 0.2776

Protanopia

68.4349, 0.2812, 0.2849

Deuteranopia

68.0007, 0.2889, 0.2824



Tritanopia

67.9701, 0.3136, 0.3107

Trichromacy



Original Color

68.0384, 0.2985, 0.2776

Protanomaly

68.2556, 0.2869, 0.2823

Deuteranomaly

67.7971, 0.2922, 0.2807

Tritanomaly

67.8842, 0.3083, 0.2983

Monochromacy



Original Color

68.0384, 0.2985, 0.2776

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 68.0384, 0.2985, 0.2776 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(232, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.0384, 0.2985, 0.2776 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(232, 205, 255) }
```

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

```
.border{ border-color:rgb(232, 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(232, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0384, 0.2985, 0.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 205, 255) }
```

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

```
.background{ background-color: rgb(232,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor