

Converting Colors

$Y_{xy}(67.5435, 0.2985, 0.2765)$

Have a look what the booklet for
Yxy(67.5435, 0.2985, 0.2765)
contains.

Yxy(67.5615, 0.2985, 0.2766)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.5615, 0.2985, 0.2766)

Conversions

Conversions Part 1

Format	Color
Hex	E8CCFF
RGB	232, 204, 255
RGB Percent	91%, 80%, 100%
CMY	0.0903, 0.1999, 0.0001
CMYK	0.09, 0.20, 0.00, 0.00
HSL	273°, 100%, 90%
HSV	273°, 20%, 100%
XYZ	72.9107, 67.5615, 103.7848
YIQ	218.1860, 0.3170, 21.7970

Conversions

Conversions Part 2

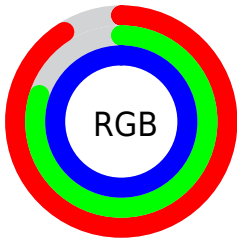
Format	Color
R_{YB}	232, 204, 255
Decimal	15256831
CIE _{Lab}	85.79, 18.97, -21.33
CIE _{LCh}	86, 28.549, 311.645
Yxy	67.5615, 0.2985, 0.2766
Android (android.graphics.Color)	4293446911 (0xFFE8CCFF)
YUV	218.1860, 18.1493, 12.1149
Hunter-Lab	82.1958, 14.4935, -17.3257

Details

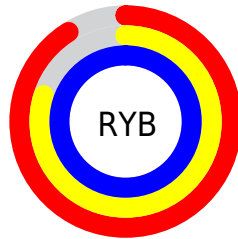
The Yxy color **67.5615, 0.2985, 0.2766** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.2007, 0.3246, 0.3820**, and the grayscale version is **70.1175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1200, 0.2949, 0.2655** is the 20% darker color. If you saturate the color by 10%, you get **54.5547, 0.2896, 0.2479**, and if you desaturate by 10%, it is **82.6843, 0.3062, 0.3038**.

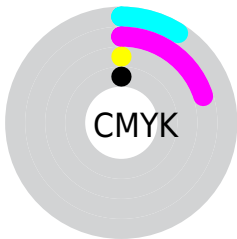
Distribution



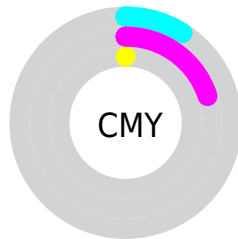
- Red (91%)
- Green (80%)
- Blue (100%)



- 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 67.5615, 0.2985, 0.2766 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 67.5615, 0.2985, 0.2766 by changing the saturation by 10% instead.


 67.5615, 0.2985,
0.2766

 67.5615, 0.2985,
0.2766


451.9408, 0.3055,
0.3002

 49.5411, 0.2968,
0.2714


115.7246, 0.3010,
0.2847

 35.0489, 0.2947,
0.2650


146.6361, 0.3019,
0.2878

 23.7005, 0.2920,
0.2570


182.6134, 0.3027,
0.2906

 15.1116, 0.2884,
0.2468

224.0409, 0.3034,
0.2930

 8.8978, 0.2833,
0.2334

271.3030, 0.3040,
0.2951

 4.6746, 0.2758,
0.2149

324.7841, 0.3046,

 2.0576, 0.2635,

0.2970

0.1879

384.8686, 0.3050,
0.2987

0.6406, 0.2422,
0.1419

0.0000, 0.0197,
0.0000

67.5615, 0.2985,
0.2766

67.5615, 0.2985,
0.2766

54.5547, 0.2896,
0.2479

82.6843, 0.3062,
0.3038

43.5564, 0.2795,
0.2185

99.9973, 0.3127,
0.3290

34.4627, 0.2684,
0.1894

99.9985, 0.3127,
0.3290

27.1564, 0.2565,
0.1619

■ 21.5069, 0.2443,
0.1375

■ 17.3650, 0.2322,
0.1175

■ 14.5534, 0.2207,
0.1028

■ 12.7840, 0.2103,
0.0932

■ 12.7817, 0.2103,
0.0932

Harmonies

Analogous

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



67.5615, 0.2682, 0.2714



67.5615, 0.2985, 0.2766



67.5615, 0.3344, 0.2939

Triad

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



67.5615, 0.2985, 0.2766



67.5615, 0.3785, 0.3747



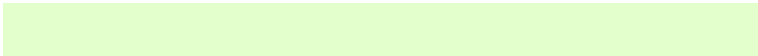
67.5615, 0.2618, 0.3356

Complementary

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



67.5615, 0.2985, 0.2766



92.2007, 0.3246, 0.3820

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.



67.5615, 0.2891, 0.3683



67.5615, 0.2985, 0.2766



67.5615, 0.3568, 0.3906

Square

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



67.5615, 0.2985, 0.2766



67.5615, 0.3821, 0.3486



67.5615, 0.3238, 0.3890



67.5615, 0.2480, 0.3030

Rectangle

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



67.5615, 0.2985, 0.2766



67.5615, 0.3564, 0.3104



67.5615, 0.3238, 0.3890



67.5615, 0.2696, 0.3471

Sweetspot

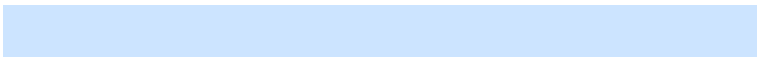
The Sweet Spot groups the original color and five complimentary colors.



67.5644, 0.2985, 0.2766



89.3370, 0.3089, 0.3141



75.4352, 0.2809, 0.2999



18.8838, 0.3085, 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.



67.5644, 0.2985, 0.2766



62.1056, 0.2951, 0.2652



71.5602, 0.3162, 0.2808



17.8688, 0.3065, 0.3050



6.7700, 0.2119, 0.0941



0.7241, 0.2236, 0.1005

Inverse Universe

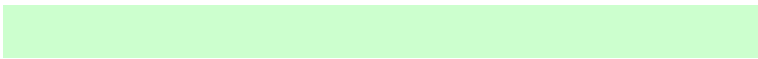
The Inverse Universe completely reimagines the original color for something new.



69.9981, 0.3351, 0.3059



64.9981, 0.3408, 0.3010



88.7878, 0.3092, 0.3825



18.1234, 0.3223, 0.3183



11.7863, 0.5170, 0.2622



1.1693, 0.4890, 0.2468

Previews

White Background



This preview shows how the Yxy color 67.5615, 0.2985, 0.2766 looks on a white background.

Color Contrast Check

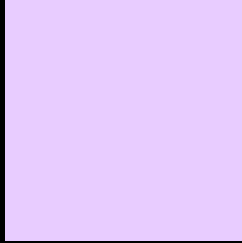
Large Text (above 18pt) WCAG AA × Fail

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 67.5615, 0.2985, 0.2766 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

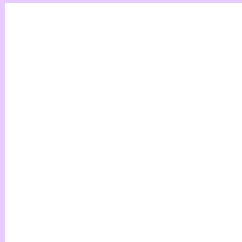
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.5615, 0.2985, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 67.5615, 0.2985, 0.2766.

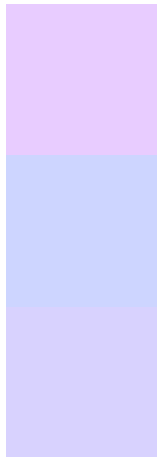


This preview shows how white text looks on a background with the Yxy color 67.5615, 0.2985, 0.2766.

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

67.5615, 0.2985, 0.2766

Protanopia

67.7876, 0.2805, 0.2837

Deuteranopia

67.8479, 0.2882, 0.2823



Tritanopia

67.4228, 0.3143, 0.3107

Trichromacy



Original Color

67.5615, 0.2985, 0.2766

Protanomaly

67.7603, 0.2869, 0.2813

Deuteranomaly

67.7971, 0.2922, 0.2807

Tritanomaly

67.3981, 0.3083, 0.2972

Monochromacy



Original Color

67.5615, 0.2985, 0.2766

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 67.5615, 0.2985, 0.2766 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, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.5615, 0.2985, 0.2766 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, 204, 255) }
```

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

```
.border{ border-color:rgb(232, 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(232, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5615, 0.2985, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 204, 255) }
```

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

```
.background{ background-color: rgb(232,  
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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