

Converting Colors

$Yxy(66.7773, 0.2746, 0.2380)$

Have a look what the booklet for
Yxy(66.7773, 0.2746, 0.2380)
contains.

Yxy(64.4312, 0.2970, 0.2700)	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(64.4312, 0.2970, 0.2700)

Conversions

Conversions Part 1

Format	Color
Hex	E6C6FF
RGB	230, 198, 255
RGB Percent	90%, 78%, 100%
CMY	0.0981, 0.2235, 0.0000
CMYK	0.10, 0.22, 0.00, 0.00
HSL	274°, 100%, 89%
HSV	274°, 22%, 100%
XYZ	70.8743, 64.4312, 103.3286
YIQ	214.0660, 0.7750, 24.5110

Conversions

Conversions Part 2

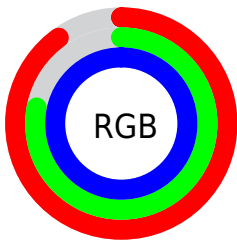
Format	Color
R _Y B	230, 198, 255
Decimal	15124223
CIE _{Lab}	84.19, 21.55, -23.80
CIE _{LCh}	84, 32.108, 312.165
Y _{xy}	64.4312, 0.2970, 0.2700
Android (android.graphics.Color)	4293314303 (0xFFE6C6FF)
Y _{UV}	214.0660, 20.1805, 13.9741
Hunter-Lab	80.2690, 17.1374, -20.1344

Details

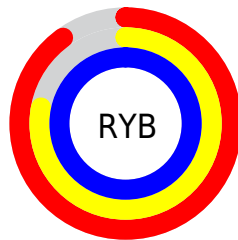
The Yxy color **64.4312, 0.2970, 0.2700** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.2910, 0.3255, 0.3889**, and the grayscale version is **67.1520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.0224, 0.2929, 0.2571** is the 20% darker color. If you saturate the color by 10%, you get **51.9459, 0.2881, 0.2412**, and if you desaturate by 10%, it is **79.0001, 0.3047, 0.2976**.

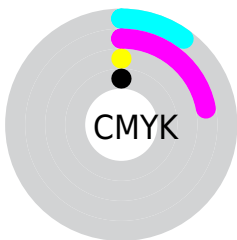
Distribution



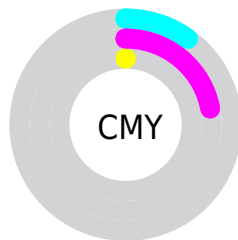
- Red (90%)
- Green (78%)
- Blue (100%)



- Red (90%)
- Yellow (78%)
- Blue (100%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4312, 0.2970, 0.2700 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 64.4312, 0.2970, 0.2700 by changing the saturation by 10% instead.


 64.4312, 0.2970,
0.2700

 64.4312, 0.2970,
0.2700


440.7451, 0.3048,
0.2967

 47.0000, 0.2951,
0.2641


111.2317, 0.2998,
0.2791

 33.0357, 0.2927,
0.2569


141.3698, 0.3009,
0.2827

 22.1538, 0.2896,
0.2479


176.5123, 0.3018,
0.2858

 13.9699, 0.2855,
0.2364

217.0437, 0.3025,
0.2885

 8.0998, 0.2796,
0.2212

263.3482, 0.3032,
0.2909

 4.1588, 0.2707,
0.2003

315.8104, 0.3038,

 1.7628, 0.2562,

0.2930

0.1702

374.8146, 0.3043,
0.2949

0.4638, 0.2330,
0.1110

0.0000, 0.0000,
0.0000

64.4312, 0.2970,
0.2700

64.4312, 0.2970,
0.2700

51.9459, 0.2881,
0.2412

79.0001, 0.3047,
0.2976

41.4405, 0.2781,
0.2119

95.7427, 0.3113,
0.3233

32.8070, 0.2671,
0.1832

100.0000, 0.3127,
0.3290

25.9258, 0.2554,
0.1566

■ 20.6625, 0.2434,
0.1333

■ 16.8628, 0.2317,
0.1147

■ 14.3402, 0.2207,
0.1015

■ 13.0627, 0.2129,
0.0946

Harmonies

Analogous

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



64.4312, 0.2626, 0.2637



64.4312, 0.2970, 0.2700



64.4312, 0.3380, 0.2896

Triad

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



64.4312, 0.2970, 0.2700



64.4312, 0.3875, 0.3811



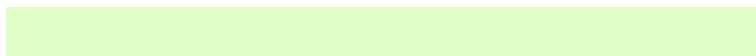
64.4312, 0.2544, 0.3356

Complementary

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



64.4312, 0.2970, 0.2700



91.2910, 0.3255, 0.3889

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.



64.4312, 0.2850, 0.3737



64.4312, 0.2970, 0.2700



64.4312, 0.3621, 0.3995

Square

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



64.4312, 0.2970, 0.2700



64.4312, 0.3922, 0.3513



64.4312, 0.3244, 0.3979



64.4312, 0.2393, 0.2984

Rectangle

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



64.4312, 0.2970, 0.2700



64.4312, 0.3632, 0.3082



64.4312, 0.3244, 0.3979



64.4312, 0.2631, 0.3489

Sweetspot

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



64.4323, 0.2970, 0.2700



87.6790, 0.3084, 0.3115



72.3538, 0.2769, 0.2950



18.5505, 0.3080, 0.3100



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.



64.4323, 0.2970, 0.2700



58.3716, 0.2930, 0.2567



68.6909, 0.3173, 0.2758



17.8803, 0.3067, 0.3051



6.9155, 0.2145, 0.0955



0.7381, 0.2260, 0.1019

Inverse Universe

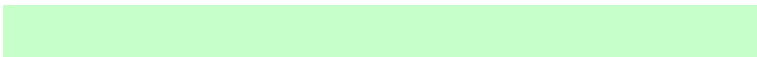
The Inverse Universe completely reimagines the original color for something new.



66.9826, 0.3389, 0.3037



61.4186, 0.3460, 0.2981



87.7377, 0.3082, 0.3886



18.1196, 0.3225, 0.3186



11.7485, 0.5222, 0.2650



1.1654, 0.4937, 0.2493

Previews

White Background



This preview shows how the Yxy color 64.4312, 0.2970, 0.2700 looks on a white background.

Color Contrast Check

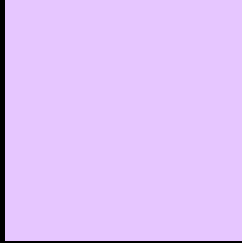
Large Text (above 18pt) WCAG AA × Fail

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 64.4312, 0.2970, 0.2700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

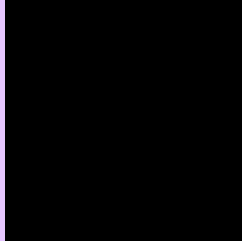
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

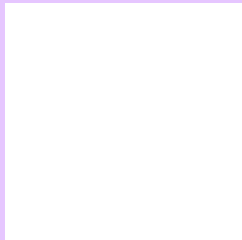
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.4312, 0.2970, 0.2700

Background



This preview shows how black text looks on a background with the Yxy color 64.4312, 0.2970, 0.2700.

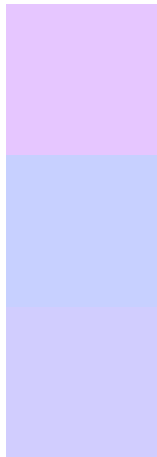


This preview shows how white text looks on a background with the Yxy color 64.4312, 0.2970, 0.2700.

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

64.4312, 0.2970, 0.2700

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

64.3737, 0.2832, 0.2762



Tritanopia

64.2003, 0.3166, 0.3115

Trichromacy



Original Color

64.4312, 0.2970, 0.2700

Protanomaly

64.1074, 0.2832, 0.2742

Deuteranomaly

64.1485, 0.2886, 0.2737

Tritanomaly

64.2930, 0.3090, 0.2957

Monochromacy



Original Color

64.4312, 0.2970, 0.2700

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

65.9845, 0.3072, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4312, 0.2970, 0.2700 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(230, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 198, 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(230, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.4312, 0.2970, 0.2700 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(230, 198, 255) }
```

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

```
.border{ border-color:rgb(230, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4312, 0.2970, 0.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 198, 255) }
```

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

```
.background{ background-color: rgb(230,  
198, 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