

Converting Colors

Yxy(66.9083, 0.2956, 0.2762)

Have a look what the booklet for
Yxy(66.9083, 0.2956, 0.2762)
contains.

Yxy(66.8997, 0.2957, 0.2761)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.8997, 0.2957, 0.2761)

Conversions

Conversions Part 1

Format	Color
Hex	E4CCFF
RGB	228, 204, 255
RGB Percent	89%, 80%, 100%
CMY	0.1057, 0.2000, 0.0000
CMYK	0.11, 0.20, 0.00, 0.00
HSL	268°, 100%, 90%
HSV	268°, 20%, 100%
XYZ	71.6488, 66.8997, 103.7539
YIQ	216.9900, -2.0670, 20.9490

Conversions

Conversions Part 2

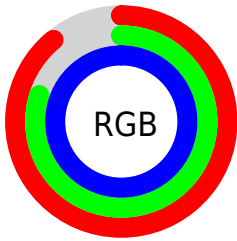
Format	Color
R _Y B	228, 204, 255
Decimal	14994687
CIE Lab	85.45, 17.75, -21.89
CIE LCh	85, 28.183, 309.042
Yxy	66.8997, 0.2957, 0.2761
Android (android.graphics.Color)	4293184767 (0xFFE4CCFF)
YUV	216.9900, 18.7389, 9.6558
Hunter-Lab	81.7922, 13.2270, -17.9551

Details

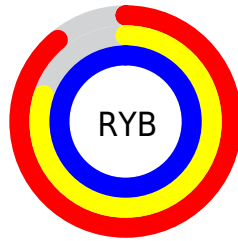
The Yxy color $66.8997, 0.2957, 0.2761$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.8591, 0.3271, 0.3817$, and the grayscale version is $69.2551, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.6606, 0.2912, 0.2648$ is the 20% darker color. If you saturate the color by 10%, you get $53.6375, 0.2852, 0.2468$, and if you desaturate by 10%, it is $82.3220, 0.3049, 0.3036$.

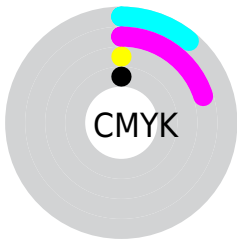
Distribution



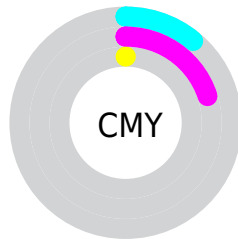
- Red (89%)
- Green (80%)
- Blue (100%)



- Red (89%)
- Yellow (80%)
- Blue (100%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8997, 0.2957, 0.2761 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 66.8997, 0.2957, 0.2761 by changing the saturation by 10% instead.


 66.8997, 0.2957,
0.2761

 66.8997, 0.2957,
0.2761


449.5877, 0.3039,
0.3000

 49.0031, 0.2937,
0.2708


114.7767, 0.2986,
0.2843

 34.6220, 0.2913,
0.2643


145.5259, 0.2997,
0.2875

 23.3718, 0.2881,
0.2562


181.3281, 0.3007,
0.2903

 14.8683, 0.2839,
0.2459

222.5676, 0.3015,
0.2927

 8.7270, 0.2780,
0.2322

269.6290, 0.3022,
0.2949

 4.5635, 0.2693,
0.2132

322.8965, 0.3029,

 1.9935, 0.2553,

0.2968

0.1857

382.7546, 0.3034,
0.2985

0.6037, 0.2314,
0.1372

0.0000, 0.0000,
0.0000

66.8997, 0.2957,
0.2761

66.8997, 0.2957,
0.2761

53.6375, 0.2852,
0.2468

82.3220, 0.3049,
0.3036

42.4292, 0.2733,
0.2165

99.9922, 0.3127,
0.3290

33.1681, 0.2603,
0.1863

100.0000, 0.3127,
0.3290

25.7354, 0.2464,
0.1574

■ 19.9988, 0.2324,
0.1317

■ 15.8072, 0.2187,
0.1105

■ 12.9811, 0.2061,
0.0949

■ 11.2305, 0.1950,
0.0848

Harmonies

Analogous

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



66.8997, 0.2665, 0.2721



66.8997, 0.2957, 0.2761



66.8997, 0.3311, 0.2923

Triad

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



66.8997, 0.2957, 0.2761



66.8997, 0.3790, 0.3724



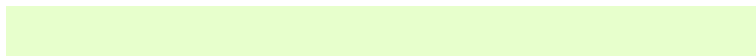
66.8997, 0.2642, 0.3385

Complementary

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



66.8997, 0.2957, 0.2761



92.8591, 0.3271, 0.3817

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.



66.8997, 0.2922, 0.3703



66.8997, 0.2957, 0.2761



66.8997, 0.3588, 0.3892

Square

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



66.8997, 0.2957, 0.2761



66.8997, 0.3807, 0.3460



66.8997, 0.3268, 0.3893



66.8997, 0.2492, 0.3058

Rectangle

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



66.8997, 0.2957, 0.2761



66.8997, 0.3534, 0.3083



66.8997, 0.3268, 0.3893



66.8997, 0.2723, 0.3498

Sweetspot

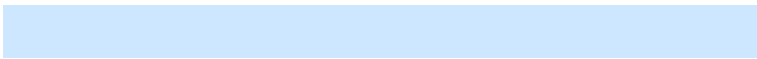
The Sweet Spot groups the original color and five complimentary colors.



66.9017, 0.2957, 0.2761



89.1223, 0.3082, 0.3141



77.3170, 0.2811, 0.3036



18.8331, 0.3076, 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.



66.9017, 0.2957, 0.2761



61.3484, 0.2917, 0.2646



71.3396, 0.3138, 0.2789



17.7977, 0.3053, 0.3050



5.9554, 0.1967, 0.0857



0.6443, 0.2091, 0.0926

Inverse Universe

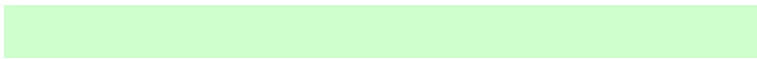
The Inverse Universe completely reimagines the original color for something new.



70.2072, 0.3322, 0.3020



65.2534, 0.3371, 0.2963



88.9566, 0.3112, 0.3843



18.1475, 0.3211, 0.3165



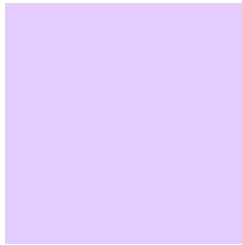
12.0497, 0.4844, 0.2442



1.1953, 0.4606, 0.2311

Previews

White Background



This preview shows how the Yxy color 66.8997, 0.2957, 0.2761 looks on a white background.

Color Contrast Check

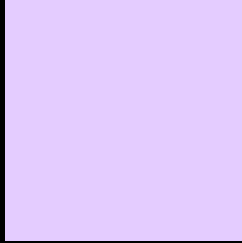
Large Text (above 18pt) WCAG AA × Fail

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 66.8997, 0.2957, 0.2761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

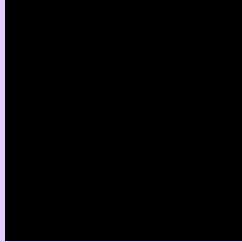
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

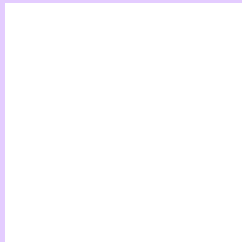
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.8997, 0.2957, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 66.8997, 0.2957, 0.2761.

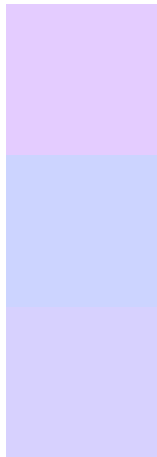


This preview shows how white text looks on a background with the Yxy color 66.8997, 0.2957, 0.2761.

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

66.8997, 0.2957, 0.2761

Protanopia

67.1443, 0.2797, 0.2825

Deuteranopia

67.2038, 0.2875, 0.2811



Tritanopia

66.7799, 0.3114, 0.3105

Trichromacy



Original Color

66.8997, 0.2957, 0.2761

Protanomaly

66.9671, 0.2855, 0.2800

Deuteranomaly

66.9970, 0.2908, 0.2795

Tritanomaly

66.7476, 0.3054, 0.2969

Monochromacy



Original Color

66.8997, 0.2957, 0.2761

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.2286, 0.3064, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8997, 0.2957, 0.2761 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(228, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.8997, 0.2957, 0.2761 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(228, 204, 255) }
```

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

```
.border{ border-color:rgb(228, 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(228, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8997, 0.2957, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 204, 255) }
```

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

```
.background{ background-color: rgb(228,  
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](#).

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