

Converting Colors

Yxy(64.9740, 0.2694, 0.2812)

Have a look what the booklet for
Yxy(64.9740, 0.2694, 0.2812)
contains.

Yxy(64.9983, 0.2696, 0.2811)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.9983, 0.2696, 0.2811)

Conversions

Conversions Part 1

Format	Color
Hex	BCD4FF
RGB	188, 212, 255
RGB Percent	74%, 83%, 100%
CMY	0.2627, 0.1686, 0.0000
CMYK	0.26, 0.17, 0.00, 0.00
HSL	219°, 100%, 87%
HSV	219°, 26%, 100%
XYZ	62.3392, 64.9983, 103.8909
YIQ	209.7260, -28.1070, 8.2850

Conversions

Conversions Part 2

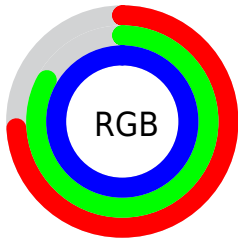
Format	Color
R _Y B	188, 206, 255
Decimal	12375295
CIE Lab	84.48, 1.31, -23.65
CIE LCh	84, 23.685, 273.159
Yxy	64.9983, 0.2696, 0.2811
Android (android.graphics.Color)	4290565375 (0xFFBCD4FF)
YUV	209.7260, 22.3201, -19.0537
Hunter-Lab	80.6215, -3.0657, -19.9675

Details

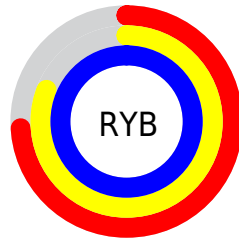
The Yxy color **64.9983, 0.2696, 0.2811** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.0572, 0.3583, 0.3726**, and the grayscale version is **64.1267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **33.5175, 0.2592, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **54.2665, 0.2519, 0.2593**, and if you desaturate by 10%, it is **77.1338, 0.2868, 0.3010**.

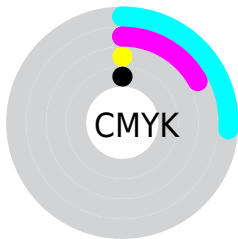
Distribution



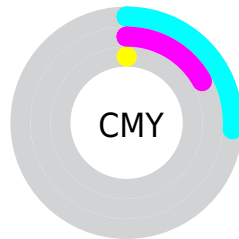
- Red (74%)
- Green (83%)
- Blue (100%)



- Red (74%)
- Yellow (81%)
- Blue (100%)



- Cyan (26%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9983, 0.2696, 0.2811 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 64.9983, 0.2696, 0.2811 by changing the saturation by 10% instead.

■ 64.9983, 0.2696,
0.2811

■ 64.9983, 0.2696,
0.2811

442.7859, 0.2897,
0.3034

■ 47.4597, 0.2650,
0.2760

■ 112.0474, 0.2766,
0.2888

■ 33.3992, 0.2593,
0.2698

142.3267, 0.2793,
0.2918

■ 22.4324, 0.2521,
0.2618

177.6217, 0.2816,
0.2944

■ 14.1750, 0.2427,
0.2516

218.3168, 0.2837,
0.2967

■ 8.2425, 0.2300,
0.2377

264.7964, 0.2855,
0.2986

■ 4.2505, 0.2120,
0.2181

317.4448, 0.2870,

■ 1.8147, 0.1848,

0.3004

0.1887

376.6465, 0.2885,
0.3020

0.4963, 0.1329,
0.1309

0.0000, 0.0000,
0.0000

64.9983, 0.2696,
0.2811

64.9983, 0.2696,
0.2811

54.2665, 0.2519,
0.2593

77.1338, 0.2868,
0.3010

44.8814, 0.2340,
0.2358

90.7222, 0.3031,
0.3189

36.7851, 0.2166,
0.2111

100.0000, 0.3127,
0.3290

29.9141, 0.2005,
0.1860

■ 24.1983, 0.1864,
0.1614

■ 19.5590, 0.1750,
0.1384

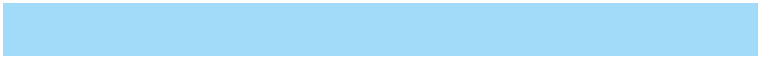
■ 15.9033, 0.1667,
0.1179

■ 14.7499, 0.1642,
0.1110

Harmonies

Analogous

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



64.9983, 0.2579, 0.2924



64.9983, 0.2696, 0.2811



64.9983, 0.2929, 0.2821

Triad

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



64.9983, 0.2696, 0.2811



64.9983, 0.3686, 0.3390



64.9983, 0.3010, 0.3680

Complementary

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



64.9983, 0.2696, 0.2811



82.0572, 0.3583, 0.3726

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.



64.9983, 0.3307, 0.3811



64.9983, 0.2696, 0.2811



64.9983, 0.3706, 0.3624

Square

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



64.9983, 0.2696, 0.2811



64.9983, 0.3507, 0.3145



64.9983, 0.3564, 0.3784



64.9983, 0.2753, 0.3428

Rectangle

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



64.9983, 0.2696, 0.2811



64.9983, 0.3124, 0.2890



64.9983, 0.3564, 0.3784



64.9983, 0.3109, 0.3740

Sweetspot

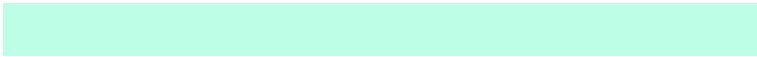
The Sweet Spot groups the original color and five complimentary colors.



64.9991, 0.2696, 0.2811



88.2603, 0.3003, 0.3159



87.9520, 0.2866, 0.3557



18.4418, 0.2979, 0.3133



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.



64.9991, 0.2696, 0.2811



58.6774, 0.2595, 0.2688



55.0589, 0.2731, 0.2546



18.4418, 0.2979, 0.3133



7.9626, 0.1650, 0.1140



0.9730, 0.1712, 0.1364

Inverse Universe

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



61.9885, 0.3493, 0.3045



55.5940, 0.3601, 0.2988



94.7571, 0.3465, 0.3962



18.0945, 0.3238, 0.3205



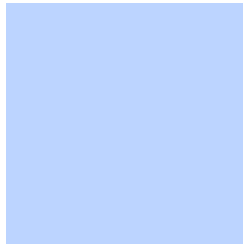
11.5318, 0.5552, 0.2832



1.1428, 0.5239, 0.2660

Previews

White Background



This preview shows how the Yxy color 64.9983, 0.2696, 0.2811 looks on a white background.

Color Contrast Check

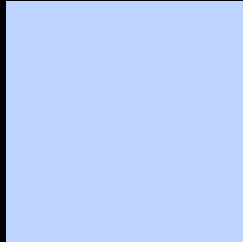
Large Text (above 18pt) WCAG AA × Fail

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 64.9983, 0.2696, 0.2811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

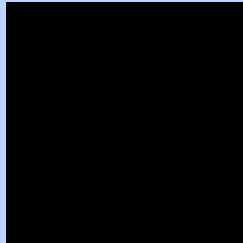
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9983, 0.2696, 0.2811

Background



This preview shows how black text looks on a background with the Yxy color 64.9983, 0.2696, 0.2811.



This preview shows how white text looks on a background with the Yxy color 64.9983, 0.2696, 0.2811.

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

64.9983, 0.2696, 0.2811

Protanopia

65.1103, 0.2787, 0.2809

Deuteranopia

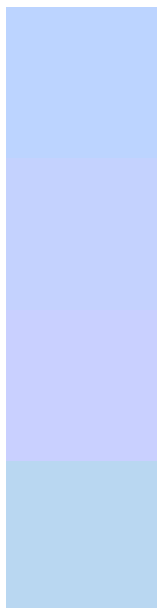
64.7725, 0.2820, 0.2762



Tritanopia

65.0622, 0.2794, 0.3092

Trichromacy



Original Color

64.9983, 0.2696, 0.2811

Protanomaly

64.9847, 0.2750, 0.2805

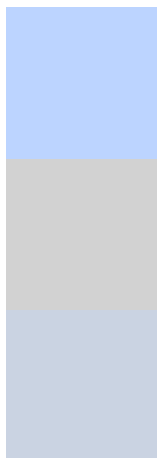
Deuteranomaly

64.7493, 0.2775, 0.2777

Tritanomaly

65.2660, 0.2760, 0.2993

Monochromacy



Original Color

64.9983, 0.2696, 0.2811

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.6361, 0.2962, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9983, 0.2696, 0.2811 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(188, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 212, 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(188, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.9983, 0.2696, 0.2811 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(188, 212, 255) }
```

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

```
.border{ border-color:rgb(188, 212, 255) }
```

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

Here you see how a box with a 4 pixel rgb(188, 212, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9983, 0.2696, 0.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 212, 255) }
```

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

```
.background{ background-color: rgb(188,  
212, 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