

Converting Colors

Yxy(64.8697, 0.2882, 0.2997)

Have a look what the booklet for
Yxy(64.8697, 0.2882, 0.2997)
contains.

Yxy(64.9823, 0.2879, 0.2998)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.9823, 0.2879, 0.2998)

Conversions

Conversions Part 1

Format	Color
Hex	C8D3ED
RGB	200, 211, 237
RGB Percent	78%, 83%, 93%
CMY	0.2156, 0.1726, 0.0706
CMYK	0.16, 0.11, 0.00, 0.07
HSL	222°, 51%, 86%
HSV	222°, 16%, 93%
XYZ	62.4029, 64.9823, 89.3669
YIQ	210.6750, -14.9020, 5.7540

Conversions

Conversions Part 2

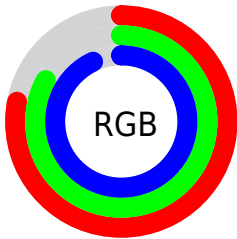
Format	Color
R _Y B	200, 208, 237
Decimal	13161453
CIE Lab	84.47, 1.49, -14.02
CIE LCh	84, 14.103, 276.060
Yxy	64.9823, 0.2879, 0.2998
Android (android.graphics.Color)	4291351533 (0xFFC8D3ED)
YUV	210.6750, 12.9782, -9.3620
Hunter-Lab	80.6116, -2.8901, -9.3014

Details

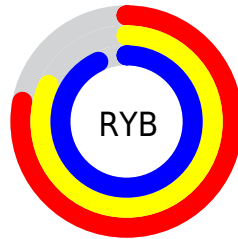
The Yxy color **64.9823, 0.2879, 0.2998** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.5758, 0.3379, 0.3566**, and the grayscale version is **64.8396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.5611, 0.2821, 0.2936** is the 20% darker color. If you saturate the color by 10%, you get **54.1156, 0.2705, 0.2782**, and if you desaturate by 10%, it is **77.2184, 0.3042, 0.3192**.

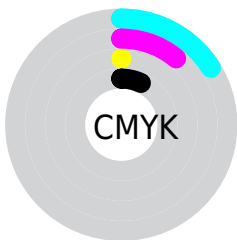
Distribution



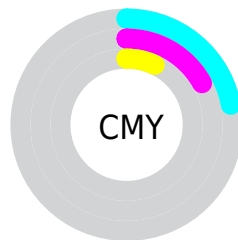
- Red (78%)
- Green (83%)
- Blue (93%)



- Red (78%)
- Yellow (82%)
- Blue (93%)



- Cyan (16%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (22%)
- Magenta (17%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9823, 0.2879, 0.2998 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 64.9823, 0.2879, 0.2998 by changing the saturation by 10% instead.

■ 64.9823, 0.2879,
0.2998

■ 64.9823, 0.2879,
0.2998

442.7284, 0.2996,
0.3135

■ 47.4467, 0.2852,
0.2966

112.0244, 0.2920,
0.3046

■ 33.3889, 0.2818,
0.2927

142.2997, 0.2936,
0.3064

■ 22.4246, 0.2775,
0.2877

177.5904, 0.2949,
0.3080

■ 14.1692, 0.2718,
0.2812

218.2809, 0.2961,
0.3094

■ 8.2384, 0.2640,
0.2721

264.7555, 0.2971,
0.3106

■ 4.2479, 0.2525,
0.2590

317.3987, 0.2980,

■ 1.8132, 0.2342,

0.3117

0.2383

376.5949, 0.2989,
0.3126

0.4954, 0.1924,
0.1879

0.0000, 0.0000,
0.0000

64.9823, 0.2879,
0.2998

64.9823, 0.2879,
0.2998

54.1156, 0.2705,
0.2782

77.2184, 0.3042,
0.3192

44.5609, 0.2524,
0.2544

90.8625, 0.3192,
0.3363

36.2688, 0.2339,
0.2288

98.8939, 0.3232,
0.3464

29.1830, 0.2157,
0.2020

■ 23.2429, 0.1987,
0.1750

■ 18.3819, 0.1838,
0.1488

■ 14.5255, 0.1717,
0.1248

■ 11.5868, 0.1631,
0.1043

■ 10.5395, 0.1601,
0.0965

Harmonies

Analogous

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



64.9823, 0.2798, 0.3064



64.9823, 0.2879, 0.2998



64.9823, 0.3027, 0.3008

Triad

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



64.9823, 0.2879, 0.2998



64.9823, 0.3463, 0.3370



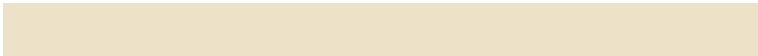
64.9823, 0.3043, 0.3506

Complementary

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



64.9823, 0.2879, 0.2998



76.5758, 0.3379, 0.3566

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.



64.9823, 0.3221, 0.3591



64.9823, 0.2879, 0.2998



64.9823, 0.3466, 0.3506

Square

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



64.9823, 0.2879, 0.2998



64.9823, 0.3366, 0.3219



64.9823, 0.3377, 0.3589



64.9823, 0.2891, 0.3358

Rectangle

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



64.9823, 0.2879, 0.2998



64.9823, 0.3145, 0.3055



64.9823, 0.3377, 0.3589



64.9823, 0.3102, 0.3543

Sweetspot

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



64.9850, 0.2879, 0.2998



92.0746, 0.3051, 0.3202



78.3316, 0.2954, 0.3412



19.4766, 0.3040, 0.3189



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.



64.9850, 0.2879, 0.2998



72.0990, 0.2820, 0.2925



60.7594, 0.2927, 0.2878



15.2778, 0.2980, 0.3119



5.9536, 0.1609, 0.0992



0.6297, 0.1685, 0.1264

Inverse Universe

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



64.0260, 0.3337, 0.3173



70.8849, 0.3394, 0.3145



81.4912, 0.3309, 0.3683



15.1276, 0.3246, 0.3220



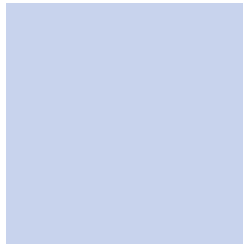
10.0938, 0.5770, 0.2952



0.8090, 0.5376, 0.2735

Previews

White Background



This preview shows how the Yxy color 64.9823, 0.2879, 0.2998 looks on a white background.

Color Contrast Check

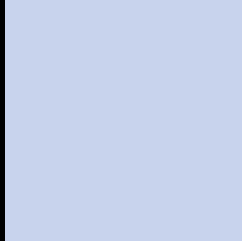
Large Text (above 18pt) WCAG AA × Fail

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 64.9823, 0.2879, 0.2998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

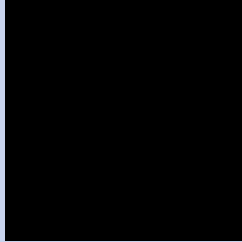
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9823, 0.2879, 0.2998

Background



This preview shows how black text looks on a background with the Yxy color 64.9823, 0.2879, 0.2998.

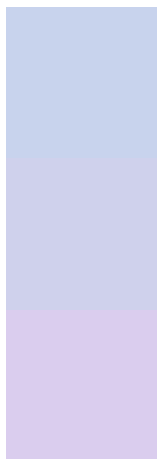


This preview shows how white text looks on a background with the Yxy color 64.9823, 0.2879, 0.2998.

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

64.9823, 0.2879, 0.2998

Protanopia

64.9225, 0.2933, 0.2990

Deuteranopia

64.7411, 0.2997, 0.2932



Tritanopia

64.8862, 0.2922, 0.3096

Trichromacy



Original Color

64.9823, 0.2879, 0.2998

Protanomaly

64.9867, 0.2912, 0.3000

Deuteranomaly

64.6476, 0.2947, 0.2949

Tritanomaly

65.0553, 0.2904, 0.3063

Monochromacy



Original Color

64.9823, 0.2879, 0.2998

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.0212, 0.3037, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9823, 0.2879, 0.2998 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(200, 211, 237)` looks like.

```
.text, #text, p{  
    color:rgb(200, 211, 237)  
}
```

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(200, 211, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 211, 237) }
```

Border

The CSS property to change the border of an element to Yxy 64.9823, 0.2879, 0.2998 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(200, 211, 237) }
```

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

```
.border{ border-color:rgb(200, 211, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 211, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 211, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 211, 237);  
box-shadow:4px 4px 4px 4px rgb(200, 211,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9823, 0.2879, 0.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 211, 237) }
```

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

```
.background{ background-color: rgb(200,  
211, 237) }
```

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