

Converting Colors

Yxy(68.7152, 0.2784, 0.2865)

Have a look what the booklet for
Yxy(68.7152, 0.2784, 0.2865)
contains.

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Color

Yxy(68.7492, 0.2781, 0.2867)

Conversions

Conversions Part 1

Format	Color
Hex	C9D8FF
RGB	201, 216, 255
RGB Percent	79%, 85%, 100%
CMY	0.2119, 0.1529, 0.0000
CMYK	0.21, 0.15, 0.00, 0.00
HSL	223°, 100%, 89%
HSV	223°, 21%, 100%
XYZ	66.6870, 68.7492, 104.3587
YIQ	215.9610, -21.4590, 8.9490

Conversions

Conversions Part 2

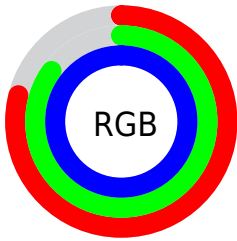
Format	Color
R _Y B	201, 213, 255
Decimal	13228287
CIE Lab	86.38, 3.00, -20.67
CIE LCh	86, 20.891, 278.264
Yxy	68.7492, 0.2781, 0.2867
Android (android.graphics.Color)	4291418367 (0xFFC9D8FF)
YUV	215.9610, 19.2462, -13.1208
Hunter-Lab	82.9151, -1.5376, -16.5831

Details

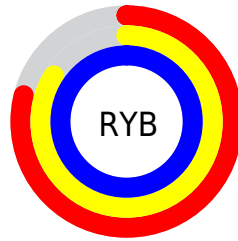
The Yxy color **68.7492, 0.2781, 0.2867** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.7708, 0.3477, 0.3680**, and the grayscale version is **68.5178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6779, 0.2698, 0.2767** is the 20% darker color. If you saturate the color by 10%, you get **56.5995, 0.2600, 0.2631**, and if you desaturate by 10%, it is **82.5469, 0.2951, 0.3080**.

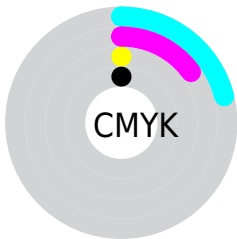
Distribution



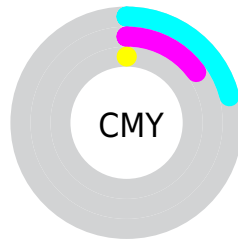
- Red (79%)
- Green (85%)
- Blue (100%)



- Red (79%)
- Yellow (84%)
- Blue (100%)



- Cyan (21%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7492, 0.2781, 0.2867 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 68.7492, 0.2781, 0.2867 by changing the saturation by 10% instead.

■ 68.7492, 0.2781,
0.2867

■ 68.7492, 0.2781,
0.2867

456.1459, 0.2942,
0.3062

■ 50.5075, 0.2744,
0.2823

117.4233, 0.2837,
0.2934

■ 35.8168, 0.2699,
0.2769

148.6244, 0.2858,
0.2960

■ 24.2927, 0.2642,
0.2701

184.9142, 0.2877,
0.2983

■ 15.5509, 0.2567,
0.2612

226.6770, 0.2893,
0.3003

■ 9.2069, 0.2466,
0.2494

274.2971, 0.2908,
0.3020

■ 4.8764, 0.2323,
0.2327

328.1591, 0.2920,

■ 2.1749, 0.2104,

0.3036

0.2077

388.6472, 0.2932,
0.3049

0.7063, 0.1738,
0.1649

0.0000, 0.0000,
0.0000

68.7492, 0.2781,
0.2867

68.7492, 0.2781,
0.2867

56.5995, 0.2600,
0.2631

82.5469, 0.2951,
0.3080

46.0260, 0.2414,
0.2375

98.0443, 0.3109,
0.3269

36.9634, 0.2227,
0.2103

99.9998, 0.3127,
0.3290

29.3386, 0.2048,
0.1825

■ 23.0718, 0.1886,
0.1552

■ 18.0745, 0.1751,
0.1298

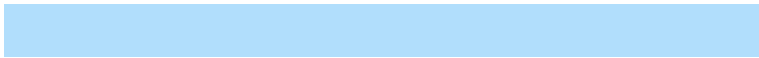
■ 14.2453, 0.1649,
0.1077

■ 11.7242, 0.1588,
0.0917

Harmonies

Analogous

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



68.7492, 0.2659, 0.2950



68.7492, 0.2781, 0.2867



68.7492, 0.2998, 0.2892

Triad

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



68.7492, 0.2781, 0.2867



68.7492, 0.3623, 0.3416



68.7492, 0.2985, 0.3594

Complementary

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



68.7492, 0.2781, 0.2867



87.7708, 0.3477, 0.3680

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.



68.7492, 0.3241, 0.3729



68.7492, 0.2781, 0.2867



68.7492, 0.3616, 0.3611

Square

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



68.7492, 0.2781, 0.2867



68.7492, 0.3490, 0.3200



68.7492, 0.3474, 0.3731



68.7492, 0.2773, 0.3369

Rectangle

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



68.7492, 0.2781, 0.2867



68.7492, 0.3170, 0.2963



68.7492, 0.3474, 0.3731



68.7492, 0.3069, 0.3652

Sweetspot

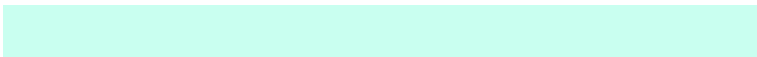
The Sweet Spot groups the original color and five complimentary colors.



68.7520, 0.2781, 0.2867



90.3696, 0.3035, 0.3181



90.2046, 0.2890, 0.3451



19.1265, 0.3025, 0.3169



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.



68.7520, 0.2781, 0.2867



63.9279, 0.2713, 0.2780



63.0794, 0.2849, 0.2711



18.2007, 0.2979, 0.3113



6.3406, 0.1596, 0.0944



0.7918, 0.1656, 0.1159

Inverse Universe

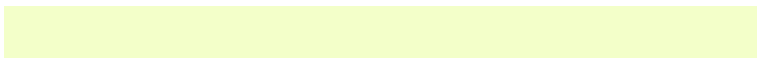
The Inverse Universe completely reimagines the original color for something new.



67.9793, 0.3439, 0.3138



63.2340, 0.3512, 0.3108



94.8402, 0.3370, 0.3834



18.0702, 0.3250, 0.3224



11.3681, 0.5843, 0.2993



1.1245, 0.5524, 0.2817

Previews

White Background



This preview shows how the Yxy color 68.7492, 0.2781, 0.2867 looks on a white background.

Color Contrast Check

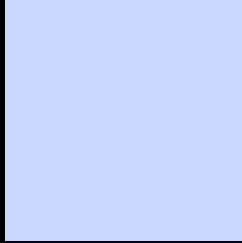
Large Text (above 18pt) WCAG AA × Fail

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 68.7492, 0.2781, 0.2867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

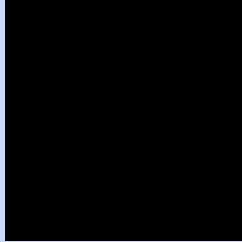
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

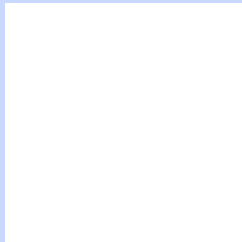
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7492, 0.2781, 0.2867

Background



This preview shows how black text looks on a background with the Yxy color 68.7492, 0.2781, 0.2867.



This preview shows how white text looks on a background with the Yxy color 68.7492, 0.2781, 0.2867.

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

68.7492, 0.2781, 0.2867

Protanopia

68.6588, 0.2831, 0.2860

Deuteranopia

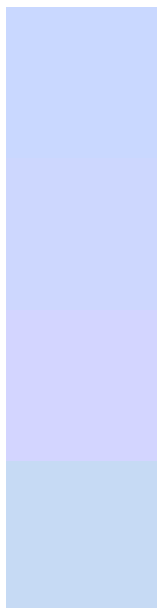
68.5602, 0.2883, 0.2825



Tritanopia

68.6478, 0.2863, 0.3088

Trichromacy



Original Color

68.7492, 0.2781, 0.2867

Protanomaly

68.7358, 0.2812, 0.2869

Deuteranomaly

68.6574, 0.2844, 0.2842

Tritanomaly

68.6802, 0.2827, 0.3002

Monochromacy



Original Color

68.7492, 0.2781, 0.2867

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.6738, 0.3000, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7492, 0.2781, 0.2867 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(201, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 216, 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(201, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.7492, 0.2781, 0.2867 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(201, 216, 255) }
```

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

```
.border{ border-color:rgb(201, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 216,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 68.7492, 0.2781, 0.2867$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 216, 255) }
```

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

```
.background{ background-color: rgb(201,  
216, 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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