

Converting Colors

$Yxy(69.1285, 0.2724, 0.2753)$

Have a look what the booklet for
Yxy(69.1285, 0.2724, 0.2753)
contains.

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Color

Yxy(68.3774, 0.2787, 0.2856)

Conversions

Conversions Part 1

Format	Color
Hex	CAD7FF
RGB	202, 215, 255
RGB Percent	79%, 84%, 100%
CMY	0.2076, 0.1569, 0.0000
CMYK	0.21, 0.16, 0.00, 0.00
HSL	225°, 100%, 90%
HSV	225°, 21%, 100%
XYZ	66.7254, 68.3774, 104.3138
YIQ	215.6730, -20.5880, 9.6840

Conversions

Conversions Part 2

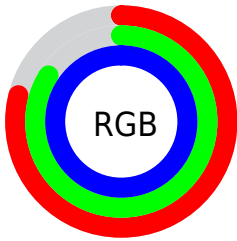
Format	Color
R _Y B	202, 212, 255
Decimal	13293567
CIE Lab	86.19, 3.88, -20.96
CIE LCh	86, 21.321, 280.498
Yxy	68.3774, 0.2787, 0.2856
Android (android.graphics.Color)	4291483647 (0xFFCAD7FF)
YUV	215.6730, 19.3882, -11.9912
Hunter-Lab	82.6906, -0.6719, -16.9106

Details

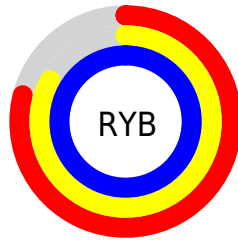
The Yxy color **68.3774, 0.2787, 0.2856** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.0865, 0.3466, 0.3689**, and the grayscale version is **68.3187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.4219, 0.2705, 0.2753** is the 20% darker color. If you saturate the color by 10%, you get **55.8620, 0.2605, 0.2610**, and if you desaturate by 10%, it is **82.6393, 0.2958, 0.3079**.

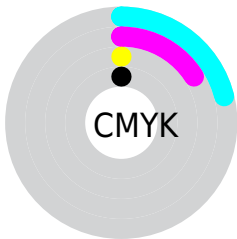
Distribution



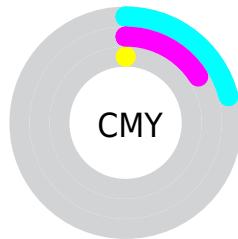
- Red (79%)
- Green (84%)
- Blue (100%)



- Red (79%)
- Yellow (83%)
- Blue (100%)



- Cyan (21%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3774, 0.2787, 0.2856 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 68.3774, 0.2787, 0.2856 by changing the saturation by 10% instead.

■ 68.3774, 0.2787,
0.2856

■ 68.3774, 0.2787,
0.2856

454.8320, 0.2945,
0.3056

■ 50.2048, 0.2751,
0.2811

116.8919, 0.2842,
0.2925

■ 35.5762, 0.2706,
0.2755

148.0026, 0.2863,
0.2952

■ 24.1070, 0.2650,
0.2686

184.1948, 0.2882,
0.2975

■ 15.4130, 0.2576,
0.2595

225.8529, 0.2898,
0.2995

■ 9.1098, 0.2476,
0.2474

273.3612, 0.2912,
0.3013

■ 4.8129, 0.2333,
0.2304

327.1043, 0.2924,

■ 2.1379, 0.2116,

0.3029

0.2049

387.4664, 0.2935,
0.3043

0.6858, 0.1752,
0.1610

0.0000, 0.0000,
0.0000

68.3774, 0.2787,
0.2856

68.3774, 0.2787,
0.2856

55.8620, 0.2605,
0.2610

82.6393, 0.2958,
0.3079

45.0220, 0.2415,
0.2341

98.7102, 0.3116,
0.3276

35.7843, 0.2223,
0.2057

100.0000, 0.3127,
0.3290

28.0699, 0.2040,
0.1768

■ 21.7921, 0.1873,
0.1486

■ 16.8549, 0.1735,
0.1228

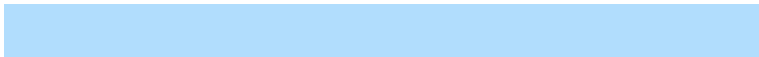
■ 13.1487, 0.1632,
0.1008

■ 10.6862, 0.1569,
0.0847

Harmonies

Analogous

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



68.3774, 0.2654, 0.2932



68.3774, 0.2787, 0.2856



68.3774, 0.3014, 0.2889

Triad

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



68.3774, 0.2787, 0.2856



68.3774, 0.3639, 0.3435



68.3774, 0.2963, 0.3586

Complementary

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



68.3774, 0.2787, 0.2856



89.0865, 0.3466, 0.3689

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.



68.3774, 0.3224, 0.3733



68.3774, 0.2787, 0.2856



68.3774, 0.3621, 0.3631

Square

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



68.3774, 0.2787, 0.2856



68.3774, 0.3512, 0.3214



68.3774, 0.3466, 0.3745



68.3774, 0.2752, 0.3352

Rectangle

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



68.3774, 0.2787, 0.2856



68.3774, 0.3191, 0.2966



68.3774, 0.3466, 0.3745



68.3774, 0.3048, 0.3648

Sweetspot

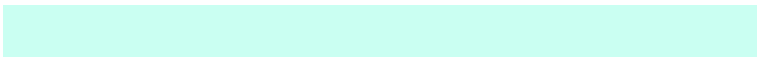
The Sweet Spot groups the original color and five complimentary colors.



68.3782, 0.2787, 0.2856



90.0526, 0.3035, 0.3176



90.4836, 0.2885, 0.3429



19.0518, 0.3025, 0.3163



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.



68.3782, 0.2787, 0.2856



62.8567, 0.2711, 0.2754



63.9886, 0.2868, 0.2726



18.0971, 0.2979, 0.3105



5.7773, 0.1576, 0.0873



0.7247, 0.1633, 0.1079

Inverse Universe

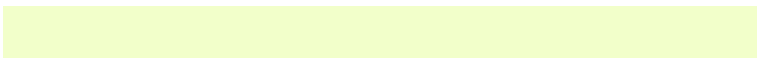
The Inverse Universe completely reimagines the original color for something new.



68.4407, 0.3445, 0.3159



63.1259, 0.3529, 0.3131



94.6240, 0.3354, 0.3825



18.0597, 0.3256, 0.3232



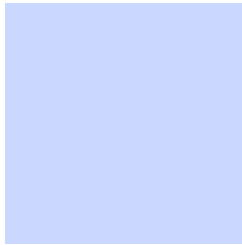
11.3112, 0.5955, 0.3054



1.1177, 0.5641, 0.2881

Previews

White Background



This preview shows how the Yxy color 68.3774, 0.2787, 0.2856 looks on a white background.

Color Contrast Check

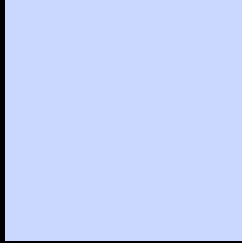
Large Text (above 18pt) WCAG AA × Fail

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 68.3774, 0.2787, 0.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

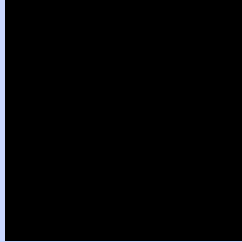
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3774, 0.2787, 0.2856

Background



This preview shows how black text looks on a background with the Yxy color 68.3774, 0.2787, 0.2856.



This preview shows how white text looks on a background with the Yxy color 68.3774, 0.2787, 0.2856.

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

68.3774, 0.2787, 0.2856

Protanopia

68.5143, 0.2824, 0.2859

Deuteranopia

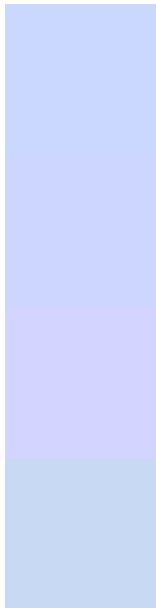
68.4075, 0.2876, 0.2824



Tritanopia

68.2047, 0.2875, 0.3088

Trichromacy



Original Color

68.3774, 0.2787, 0.2856

Protanomaly

68.2280, 0.2811, 0.2858

Deuteranomaly

68.1559, 0.2843, 0.2831

Tritanomaly

68.2389, 0.2839, 0.3002

Monochromacy



Original Color

68.3774, 0.2787, 0.2856

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 68.3774, 0.2787, 0.2856 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(202, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 215, 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(202, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.3774, 0.2787, 0.2856 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(202, 215, 255) }
```

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

```
.border{ border-color:rgb(202, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3774, 0.2787, 0.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 215, 255) }
```

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

```
.background{ background-color: rgb(202,  
215, 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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