

Converting Colors

$Y_{xy}(72.3422, 0.2578, 0.2401)$

Have a look what the booklet for
Yxy(72.3422, 0.2578, 0.2401)
contains.

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Color

Yxy(68.6574, 0.2844, 0.2842)

Conversions

Conversions Part 1

Format	Color
Hex	D3D5FF
RGB	211, 213, 255
RGB Percent	83%, 84%, 100%
CMY	0.1725, 0.1647, 0.0001
CMYK	0.17, 0.16, 0.00, 0.00
HSL	237°, 100%, 91%
HSV	237°, 17%, 100%
XYZ	68.7057, 68.6574, 104.2182
YIQ	217.1900, -14.6740, 12.6380

Conversions

Conversions Part 2

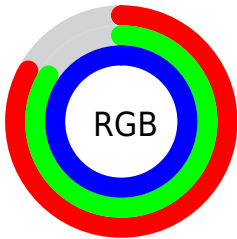
Format	Color
R _Y B	211, 213, 255
Decimal	13882879
CIE Lab	86.33, 7.64, -20.66
CIE LCh	86, 22.030, 290.285
Yxy	68.6574, 0.2844, 0.2842
Android (android.graphics.Color)	4292072959 (0xFFD3D5FF)
YUV	217.1900, 18.6403, -5.4286
Hunter-Lab	82.8598, 3.0042, -16.5711

Details

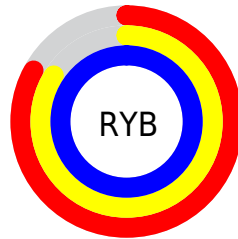
The Yxy color $68.6574, 0.2844, 0.2842$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.1941, 0.3391, 0.3702$, and the grayscale version is $69.4039, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.5989, 0.2777, 0.2736$ is the 20% darker color. If you saturate the color by 10%, you get $53.8494, 0.2654, 0.2538$, and if you desaturate by 10%, it is $85.9055, 0.3015, 0.3114$.

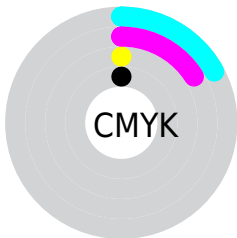
Distribution



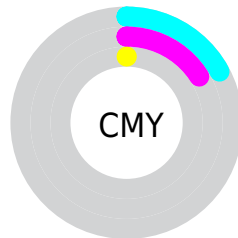
- Red (83%)
- Green (84%)
- Blue (100%)



- Red (83%)
- Yellow (84%)
- Blue (100%)



- Cyan (17%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6574, 0.2844, 0.2842 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 68.6574, 0.2844, 0.2842 by changing the saturation by 10% instead.

■ 68.6574, 0.2844,
0.2842

■ 68.6574, 0.2844,
0.2842

455.8217, 0.2977,
0.3047

■ 50.4327, 0.2814,
0.2796

117.2921, 0.2890,
0.2912

■ 35.7574, 0.2776,
0.2740

148.4710, 0.2908,
0.2940

■ 24.2469, 0.2728,
0.2669

184.7366, 0.2923,
0.2964

■ 15.5168, 0.2665,
0.2578

226.4736, 0.2937,
0.2985

■ 9.1829, 0.2580,
0.2456

274.0662, 0.2949,
0.3003

■ 4.8607, 0.2457,
0.2286

327.8988, 0.2959,

■ 2.1658, 0.2268,

0.3019

0.2033

388.3558, 0.2968,
0.3034

■ 0.7012, 0.1950,
0.1603

■ 0.0000, 0.0000,
0.0000

■ 68.6574, 0.2844,
0.2842

■ 68.6574, 0.2844,
0.2842

■ 53.8494, 0.2654,
0.2538

■ 85.9055, 0.3015,
0.3114

■ 41.3633, 0.2448,
0.2207

99.9985, 0.3127,
0.3290

■ 31.0839, 0.2235,
0.1861

■ 22.8829, 0.2026,
0.1517

■ 16.6184, 0.1836,
0.1200

■ 12.1311, 0.1681,
0.0935

■ 9.2362, 0.1572,
0.0744

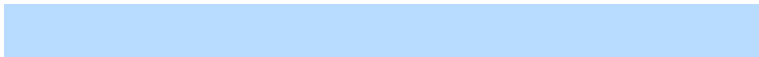
■ 7.7066, 0.1515,
0.0636

■ 7.4720, 0.1505,
0.0619

Harmonies

Analogous

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



68.6574, 0.2671, 0.2883



68.6574, 0.2844, 0.2842



68.6574, 0.3098, 0.2911

Triad

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



68.6574, 0.2844, 0.2842



68.6574, 0.3666, 0.3510



68.6574, 0.2878, 0.3523

Complementary

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



68.6574, 0.2844, 0.2842



96.1941, 0.3391, 0.3702

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.



68.6574, 0.3137, 0.3713



68.6574, 0.2844, 0.2842



68.6574, 0.3598, 0.3691

Square

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



68.6574, 0.2844, 0.2842



68.6574, 0.3582, 0.3285



68.6574, 0.3402, 0.3772



68.6574, 0.2690, 0.3269

Rectangle

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



68.6574, 0.2844, 0.2842



68.6574, 0.3283, 0.3009



68.6574, 0.3402, 0.3772



68.6574, 0.2959, 0.3598

Sweetspot

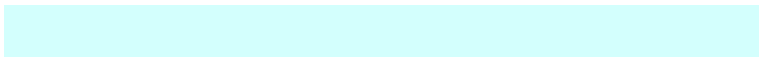
The Sweet Spot groups the original color and five complimentary colors.



68.6602, 0.2844, 0.2842



90.1412, 0.3051, 0.3170



92.4327, 0.2878, 0.3312



19.0084, 0.3040, 0.3153



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.



68.6602, 0.2844, 0.2842



62.8322, 0.2775, 0.2731



70.7642, 0.2977, 0.2838



17.5102, 0.2978, 0.3055



3.9616, 0.1508, 0.0627



0.4303, 0.1525, 0.0691

Inverse Universe

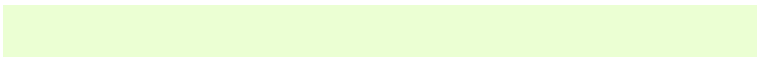
The Inverse Universe completely reimagines the original color for something new.



72.6514, 0.3446, 0.3271



67.5976, 0.3533, 0.3266



93.9032, 0.3258, 0.3738



18.0005, 0.3287, 0.3280



11.1279, 0.6355, 0.3274



1.0880, 0.6247, 0.3215

Previews

White Background



This preview shows how the Yxy color 68.6574, 0.2844, 0.2842 looks on a white background.

Color Contrast Check

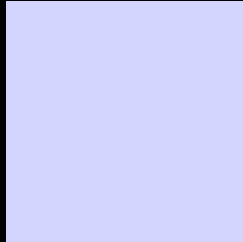
Large Text (above 18pt) WCAG AA × Fail

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 68.6574, 0.2844, 0.2842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

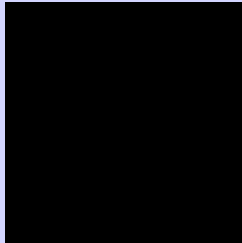
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6574, 0.2844, 0.2842

Background



This preview shows how black text looks on a background with the Yxy color 68.6574, 0.2844, 0.2842.



This preview shows how white text looks on a background with the Yxy color 68.6574, 0.2844, 0.2842.

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

68.6574, 0.2844, 0.2842

Protanopia

68.7230, 0.2825, 0.2850

Deuteranopia

68.7140, 0.2890, 0.2826



Tritanopia

68.8316, 0.2947, 0.3102

Trichromacy



Original Color

68.6574, 0.2844, 0.2842

Protanomaly

68.8684, 0.2831, 0.2851

Deuteranomaly

68.7540, 0.2870, 0.2834

Tritanomaly

68.9324, 0.2904, 0.3006

Monochromacy



Original Color

68.6574, 0.2844, 0.2842

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.3283, 0.3021, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6574, 0.2844, 0.2842 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(211, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 213, 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(211, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 213, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.6574, 0.2844, 0.2842 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(211, 213, 255) }
```

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

```
.border{ border-color:rgb(211, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 213,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6574, 0.2844, 0.2842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 213, 255) }
```

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

```
.background{ background-color: rgb(211,  
213, 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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