

Converting Colors

$Yxy(72.0653, 0.2821, 0.2849)$

Have a look what the booklet for
Yxy(72.0653, 0.2821, 0.2849)
contains.

Yxy(71.8801, 0.2854, 0.2908)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.8801, 0.2854, 0.2908)

Conversions

Conversions Part 1

Format	Color
Hex	D4DBFF
RGB	212, 219, 255
RGB Percent	83%, 86%, 100%
CMY	0.1684, 0.1412, 0.0000
CMYK	0.17, 0.14, 0.00, 0.00
HSL	230°, 100%, 92%
HSV	230°, 17%, 100%
XYZ	70.5453, 71.8801, 104.7551
YIQ	221.0110, -15.7280, 9.7120

Conversions

Conversions Part 2

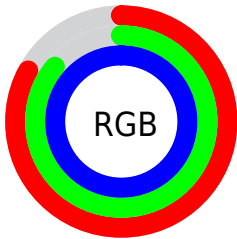
Format	Color
R _Y B	212, 218, 255
Decimal	13949951
CIE Lab	87.91, 4.81, -18.28
CIE LCh	88, 18.906, 284.743
Yxy	71.8801, 0.2854, 0.2908
Android (android.graphics.Color)	4292140031 (0xFFD4DBFF)
YUV	221.0110, 16.7566, -7.9026
Hunter-Lab	84.7821, 0.1571, -13.9100

Details

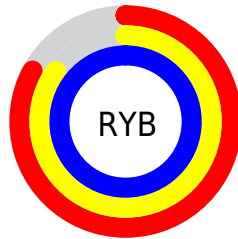
The Yxy color **71.8801, 0.2854, 0.2908** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **93.1930, 0.3392, 0.3645**, and the grayscale version is **72.2109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7962, 0.2791, 0.2822** is the 20% darker color. If you saturate the color by 10%, you get **57.9353, 0.2671, 0.2643**, and if you desaturate by 10%, it is **87.8630, 0.3022, 0.3145**.

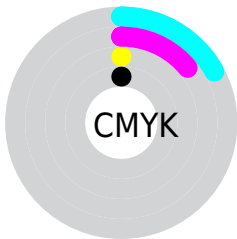
Distribution



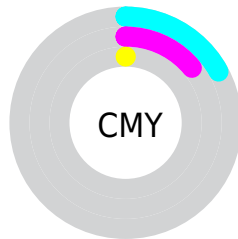
- Red (83%)
- Green (86%)
- Blue (100%)



- Red (83%)
- Yellow (85%)
- Blue (100%)



- Cyan (17%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8801, 0.2854, 0.2908 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 71.8801, 0.2854, 0.2908 by changing the saturation by 10% instead.

■ 71.8801, 0.2854,
0.2908

■ 71.8801, 0.2854,
0.2908

467.1242, 0.2980,
0.3082

■ 53.0607, 0.2825,
0.2869

121.8860, 0.2898,
0.2968

■ 37.8513, 0.2790,
0.2821

153.8414, 0.2915,
0.2991

■ 25.8673, 0.2745,
0.2761

190.9443, 0.2930,
0.3012

■ 16.7244, 0.2686,
0.2683

233.5790, 0.2942,
0.3029

■ 10.0382, 0.2607,
0.2579

282.1299, 0.2954,
0.3045

■ 5.4243, 0.2494,
0.2434

336.9815, 0.2964,

■ 2.4983, 0.2322,

0.3059

0.2217

398.5181, 0.2972,
0.3071

0.8758, 0.2032,
0.1864

0.0000, 0.0000,
0.0000

71.8801, 0.2854,
0.2908

71.8801, 0.2854,
0.2908

57.9353, 0.2671,
0.2643

87.8630, 0.3022,
0.3145

45.9376, 0.2476,
0.2354

99.9994, 0.3127,
0.3290

35.8021, 0.2275,
0.2045

27.4339, 0.2078,
0.1731

■ 20.7299, 0.1895,
0.1425

■ 15.5759, 0.1739,
0.1149

■ 11.8423, 0.1622,
0.0922

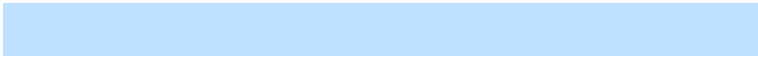
■ 9.3761, 0.1549,
0.0756

■ 8.8132, 0.1533,
0.0717

Harmonies

Analogous

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



71.8801, 0.2723, 0.2962



71.8801, 0.2854, 0.2908



71.8801, 0.3061, 0.2950

Triad

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



71.8801, 0.2854, 0.2908



71.8801, 0.3578, 0.3446



71.8801, 0.2955, 0.3522

Complementary

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



71.8801, 0.2854, 0.2908



93.1930, 0.3392, 0.3645

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.



71.8801, 0.3180, 0.3663



71.8801, 0.2854, 0.2908



71.8801, 0.3545, 0.3608

Square

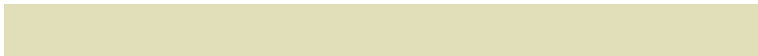
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.8801, 0.2854, 0.2908



71.8801, 0.3485, 0.3252



71.8801, 0.3397, 0.3692



71.8801, 0.2779, 0.3314

Rectangle

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



71.8801, 0.2854, 0.2908



71.8801, 0.3217, 0.3025



71.8801, 0.3397, 0.3692



71.8801, 0.3027, 0.3579

Sweetspot

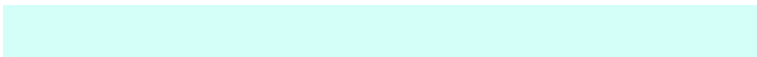
The Sweet Spot groups the original color and five complimentary colors.



71.8831, 0.2854, 0.2908



91.0271, 0.3051, 0.3185



92.2884, 0.2910, 0.3363



19.2228, 0.3040, 0.3170



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.



71.8831, 0.2854, 0.2908



67.2560, 0.2798, 0.2827



70.5692, 0.2947, 0.2845



17.8507, 0.2979, 0.3084



4.7441, 0.1538, 0.0736



0.5905, 0.1586, 0.0909

Inverse Universe

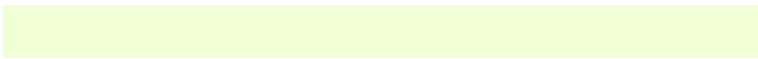
The Inverse Universe completely reimagines the original color for something new.



73.4925, 0.3400, 0.3221



69.2105, 0.3463, 0.3207



94.9161, 0.3287, 0.3723



18.0348, 0.3269, 0.3252



11.2069, 0.6174, 0.3175



1.1042, 0.5897, 0.3022

Previews

White Background



This preview shows how the Yxy color 71.8801, 0.2854, 0.2908 looks on a white background.

Color Contrast Check

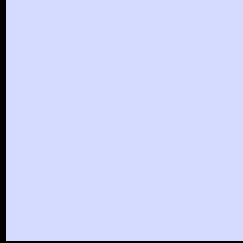
Large Text (above 18pt) WCAG AA × Fail

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 71.8801, 0.2854, 0.2908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

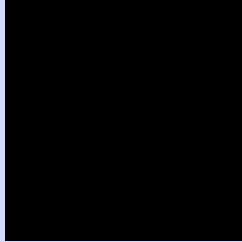
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8801, 0.2854, 0.2908

Background



This preview shows how black text looks on a background with the Yxy color 71.8801, 0.2854, 0.2908.

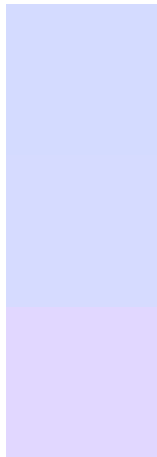


This preview shows how white text looks on a background with the Yxy color 71.8801, 0.2854, 0.2908.

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

71.8801, 0.2854, 0.2908

Protanopia

72.1792, 0.2866, 0.2909

Deuteranopia

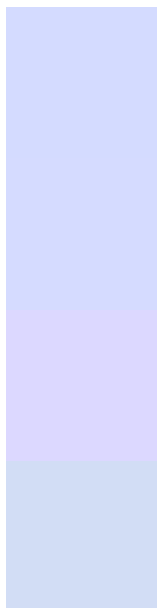
71.8284, 0.2938, 0.2875



Tritanopia

72.0299, 0.2931, 0.3105

Trichromacy



Original Color

71.8801, 0.2854, 0.2908

Protanomaly

72.0292, 0.2860, 0.2909

Deuteranomaly

71.5474, 0.2905, 0.2882

Tritanomaly

72.0071, 0.2901, 0.3031

Monochromacy



Original Color

71.8801, 0.2854, 0.2908

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.9750, 0.3029, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8801, 0.2854, 0.2908 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(212, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 219, 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(212, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.8801, 0.2854, 0.2908 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(212, 219, 255) }
```

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

```
.border{ border-color:rgb(212, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8801, 0.2854, 0.2908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 219, 255) }
```

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

```
.background{ background-color: rgb(212,  
219, 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