

Converting Colors

$Yxy(71.4819, 0.2885, 0.3012)$

Have a look what the booklet for
Yxy(71.4819, 0.2885, 0.3012)
contains.

Yxy(71.3955, 0.2888, 0.3009)	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(71.3955, 0.2888, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	D1DCF6
RGB	209, 220, 246
RGB Percent	82%, 86%, 96%
CMY	0.1803, 0.1372, 0.0353
CMYK	0.15, 0.11, 0.00, 0.04
HSL	222°, 67%, 89%
HSV	222°, 15%, 96%
XYZ	68.5245, 71.3955, 97.3532
YIQ	219.6750, -14.9020, 5.7540

Conversions

Conversions Part 2

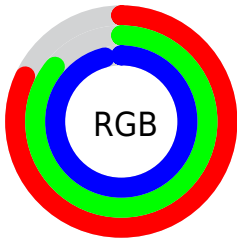
Format	Color
R _Y B	209, 217, 246
Decimal	13753590
CIE Lab	87.68, 1.46, -13.92
CIE LCh	88, 13.998, 275.968
Yxy	71.3955, 0.2888, 0.3009
Android (android.graphics.Color)	4291943670 (0xFFD1DCF6)
YUV	219.6750, 12.9782, -9.3620
Hunter-Lab	84.4959, -3.1077, -9.1648

Details

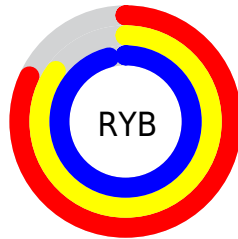
The Yxy color **71.3955, 0.2888, 0.3009** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.6190, 0.3369, 0.3556**, and the grayscale version is **71.2508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.4980, 0.2827, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **59.4702, 0.2715, 0.2794**, and if you desaturate by 10%, it is **84.8196, 0.3050, 0.3202**.

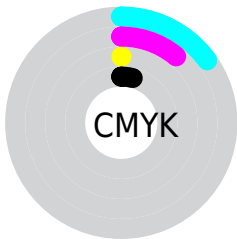
Distribution



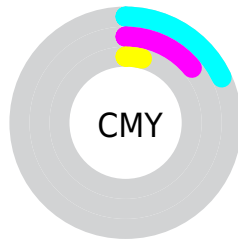
- Red (82%)
- Green (86%)
- Blue (96%)



- Red (82%)
- Yellow (85%)
- Blue (96%)



- Cyan (15%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)



- Cyan (18%)
- Magenta (14%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3955, 0.2888, 0.3009 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 71.3955, 0.2888, 0.3009 by changing the saturation by 10% instead.

■ 71.3955, 0.2888,
0.3009

■ 71.3955, 0.2888,
0.3009

465.4348, 0.2999,
0.3139

■ 52.6650, 0.2863,
0.2980

121.1967, 0.2926,
0.3054

■ 37.5354, 0.2832,
0.2943

153.0362, 0.2941,
0.3071

■ 25.6223, 0.2792,
0.2898

190.0142, 0.2954,
0.3086

■ 16.5413, 0.2741,
0.2838

232.5150, 0.2965,
0.3099

■ 9.9080, 0.2671,
0.2758

280.9231, 0.2975,
0.3111

■ 5.3380, 0.2571,
0.2643

335.6228, 0.2984,

■ 2.4469, 0.2416,

0.3121

0.2467

396.9986, 0.2992,
0.3130

0.8499, 0.2148,
0.2165

0.0000, 0.0000,
0.0000

71.3955, 0.2888,
0.3009

71.3955, 0.2888,
0.3009

59.4702, 0.2715,
0.2794

84.8196, 0.3050,
0.3202

48.9812, 0.2533,
0.2557

99.1694, 0.3180,
0.3372

39.8741, 0.2348,
0.2301

99.4336, 0.3179,
0.3376

32.0880, 0.2165,
0.2033

■ 25.5566, 0.1994,
0.1761

■ 20.2074, 0.1844,
0.1499

■ 15.9591, 0.1721,
0.1257

■ 12.7175, 0.1633,
0.1050

■ 11.4285, 0.1601,
0.0962

Harmonies

Analogous

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



71.3955, 0.2810, 0.3073



71.3955, 0.2888, 0.3009



71.3955, 0.3030, 0.3018

Triad

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



71.3955, 0.2888, 0.3009



71.3955, 0.3450, 0.3367



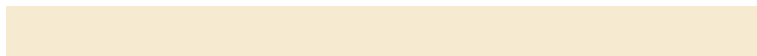
71.3955, 0.3047, 0.3498

Complementary

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



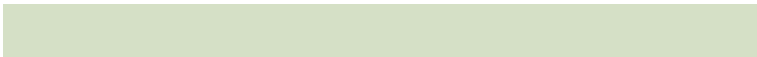
71.3955, 0.2888, 0.3009



83.6190, 0.3369, 0.3556

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.



71.3955, 0.3218, 0.3580



71.3955, 0.2888, 0.3009



71.3955, 0.3454, 0.3498

Square

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



71.3955, 0.2888, 0.3009



71.3955, 0.3357, 0.3221



71.3955, 0.3368, 0.3578



71.3955, 0.2901, 0.3356

Rectangle

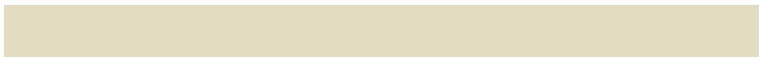
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.3955, 0.2888, 0.3009



71.3955, 0.3144, 0.3063



71.3955, 0.3368, 0.3578



71.3955, 0.3103, 0.3533

Sweetspot

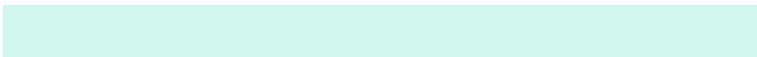
The Sweet Spot groups the original color and five complimentary colors.



71.3985, 0.2888, 0.3009



92.0759, 0.3051, 0.3202



85.4591, 0.2960, 0.3407



19.4769, 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.



71.3985, 0.2888, 0.3009



73.4238, 0.2837, 0.2947



66.9244, 0.2934, 0.2893



16.7290, 0.2980, 0.3119



6.3123, 0.1608, 0.0990



0.7263, 0.1676, 0.1233

Inverse Universe

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



70.3685, 0.3328, 0.3177



72.2234, 0.3377, 0.3153



88.7943, 0.3303, 0.3669



16.5635, 0.3247, 0.3220



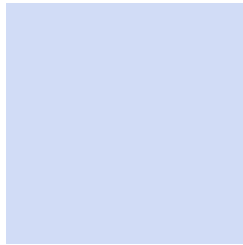
10.7366, 0.5774, 0.2955



0.9610, 0.5420, 0.2760

Previews

White Background



This preview shows how the Yxy color 71.3955, 0.2888, 0.3009 looks on a white background.

Color Contrast Check

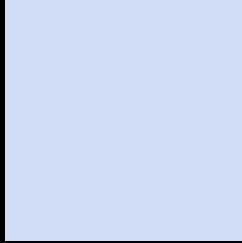
Large Text (above 18pt) WCAG AA × Fail

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 71.3955, 0.2888, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

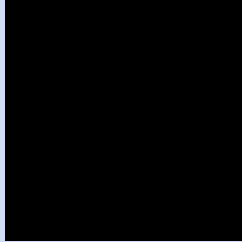
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.3955, 0.2888, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 71.3955, 0.2888, 0.3009.

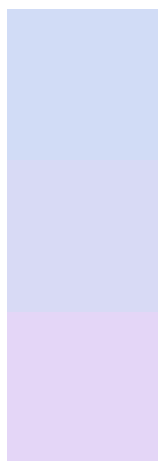


This preview shows how white text looks on a background with the Yxy color 71.3955, 0.2888, 0.3009.

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

71.3955, 0.2888, 0.3009

Protanopia

71.3343, 0.2940, 0.3001

Deuteranopia

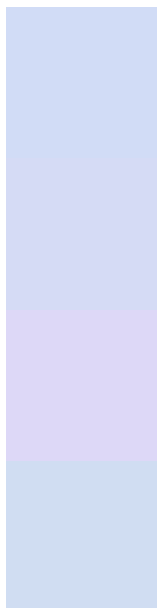
71.3025, 0.3009, 0.2946



Tritanopia

71.3548, 0.2924, 0.3093

Trichromacy



Original Color

71.3955, 0.2888, 0.3009

Protanomaly

71.4017, 0.2920, 0.3011

Deuteranomaly

71.1993, 0.2961, 0.2962

Tritanomaly

71.5336, 0.2906, 0.3061

Monochromacy



Original Color

71.3955, 0.2888, 0.3009

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.4425, 0.3040, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3955, 0.2888, 0.3009 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(209, 220, 246)` looks like.

```
.text, #text, p{  
    color:rgb(209, 220, 246)  
}
```

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(209, 220, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 220, 246) }
```

Border

The CSS property to change the border of an element to Yxy 71.3955, 0.2888, 0.3009 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(209, 220, 246) }
```

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

```
.border{ border-color:rgb(209, 220, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 220, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 220, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 220, 246);  
box-shadow:4px 4px 4px 4px rgb(209, 220,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3955, 0.2888, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 220, 246) }
```

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

```
.background{ background-color: rgb(209,  
220, 246) }
```

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