

Converting Colors

$Yxy(71.4534, 0.2837, 0.2991)$

Have a look what the booklet for
Yxy(71.4534, 0.2837, 0.2991)
contains.

| | |
|--|----|
| Yxy(71.3898, 0.2838, 0.2986) | 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(71.3898, 0.2838, 0.2986)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | CCDDF9 |
| RGB | 204, 221, 249 |
| RGB Percent | 80%, 87%, 98% |
| CMY | 0.2001, 0.1333, 0.0235 |
| CMYK | 0.18, 0.11, 0.00, 0.02 |
| HSL | 217°, 79%, 89% |
| HSV | 217°, 18%, 98% |
| XYZ | 67.8514, 71.3898, 99.8405 |
| YIQ | 219.1090, -19.1200, 5.1040 |

Conversions

Conversions Part 2

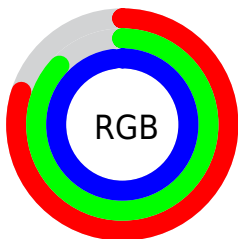
| Format | Color |
|-------------------------------------|---|
| RYB | 204, 216, 249 |
| Decimal | 13426169 |
| CIELab | 87.67, -0.01, -15.55 |
| CIELCh | 88, 15.554, 269.980 |
| Yxy | 71.3898, 0.2838, 0.2986 |
| Android (android.graphics.Color) | 4291616249 (0xFFCCDDF9) |
| YUV | 219.1090, 14.7363, -13.2506 |
| Hunter-Lab | 84.4925, -4.5181, -10.9153 |

Details

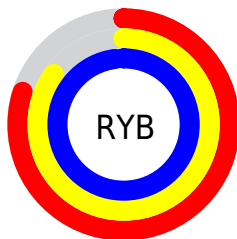
The Yxy color **71.3898, 0.2838, 0.2986** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.1971, 0.3429, 0.3576**, and the grayscale version is **70.8221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.5123, 0.2764, 0.2908** is the 20% darker color. If you saturate the color by 10%, you get **60.3505, 0.2666, 0.2791**, and if you desaturate by 10%, it is **83.7511, 0.3002, 0.3162**.

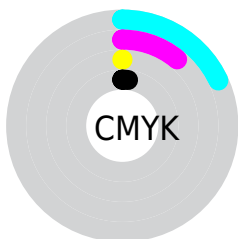
Distribution



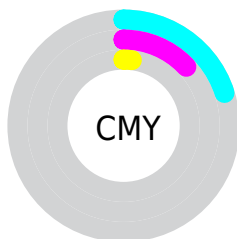
- Red (80%)
- Green (87%)
- Blue (98%)



- Red (80%)
- Yellow (85%)
- Blue (98%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)



- Cyan (20%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3898, 0.2838, 0.2986 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 71.3898, 0.2838, 0.2986 by changing the saturation by 10% instead.

■ 71.3898, 0.2838,
0.2986

■ 71.3898, 0.2838,
0.2986

465.4149, 0.2971,
0.3126

■ 52.6604, 0.2808,
0.2954

121.1886, 0.2884,
0.3035

■ 37.5317, 0.2770,
0.2915

153.0267, 0.2902,
0.3053

■ 25.6194, 0.2723,
0.2865

190.0032, 0.2918,
0.3070

■ 16.5392, 0.2662,
0.2801

232.5025, 0.2931,
0.3084

■ 9.9065, 0.2579,
0.2713

280.9089, 0.2943,
0.3097

■ 5.3370, 0.2460,
0.2589

335.6068, 0.2954,

■ 2.4463, 0.2279,

0.3108

0.2398

396.9807, 0.2963,
0.3117

0.8496, 0.1972,
0.2075

0.0000, 0.0000,
0.0000

71.3898, 0.2838,
0.2986

71.3898, 0.2838,
0.2986

60.3505, 0.2666,
0.2791

83.7511, 0.3002,
0.3162

50.5775, 0.2490,
0.2577

97.4699, 0.3156,
0.3318

42.0236, 0.2315,
0.2347

99.6208, 0.3162,
0.3347

34.6352, 0.2146,
0.2107

■ 28.3540, 0.1990,
0.1864

■ 23.1155, 0.1856,
0.1625

■ 18.8466, 0.1748,
0.1402

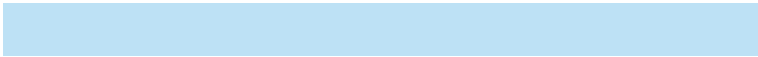
■ 15.4547, 0.1671,
0.1204

■ 14.8875, 0.1658,
0.1168

Harmonies

Analogous

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



71.3898, 0.2770, 0.3072



71.3898, 0.2838, 0.2986



71.3898, 0.2983, 0.2981

Triad

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



71.3898, 0.2838, 0.2986



71.3898, 0.3473, 0.3342



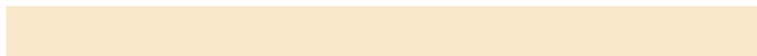
71.3898, 0.3075, 0.3546

Complementary

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



71.3898, 0.2838, 0.2986



82.1971, 0.3429, 0.3576

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.



71.3898, 0.3264, 0.3620



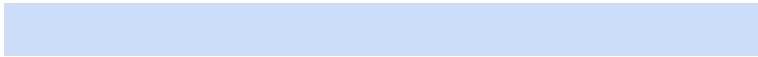
71.3898, 0.2838, 0.2986



71.3898, 0.3498, 0.3494

Square

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



71.3898, 0.2838, 0.2986



71.3898, 0.3352, 0.3183



71.3898, 0.3420, 0.3598



71.3898, 0.2904, 0.3397

Rectangle

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



71.3898, 0.2838, 0.2986



71.3898, 0.3107, 0.3021



71.3898, 0.3420, 0.3598



71.3898, 0.3139, 0.3581

Sweetspot

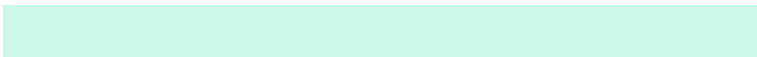
The Sweet Spot groups the original color and five complimentary colors.



71.3927, 0.2838, 0.2986



92.7088, 0.3050, 0.3212



86.4073, 0.2948, 0.3475



19.6304, 0.3039, 0.3201



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.



71.3927, 0.2838, 0.2986



70.6026, 0.2771, 0.2911



63.5964, 0.2864, 0.2800



17.7194, 0.2979, 0.3138



8.2195, 0.1666, 0.1198



0.9582, 0.1732, 0.1434

Inverse Universe

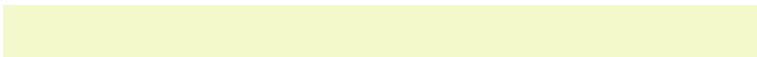
The Inverse Universe completely reimagines the original color for something new.



68.5327, 0.3350, 0.3115



67.2350, 0.3411, 0.3075



91.3118, 0.3365, 0.3747



17.3339, 0.3234, 0.3201



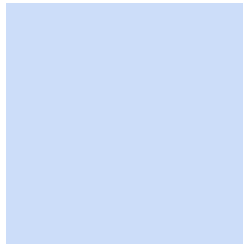
11.2407, 0.5469, 0.2786



1.0610, 0.5146, 0.2608

Previews

White Background



This preview shows how the Yxy color 71.3898, 0.2838, 0.2986 looks on a white background.

Color Contrast Check

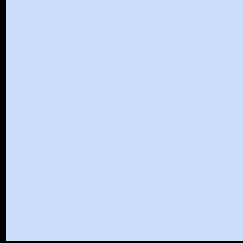
Large Text (above 18pt) WCAG AA × Fail

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 71.3898, 0.2838, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

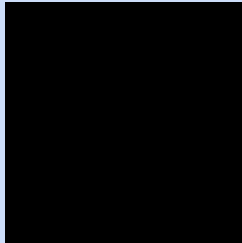
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

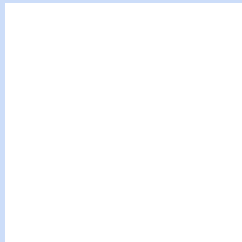
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.3898, 0.2838, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 71.3898, 0.2838, 0.2986.



This preview shows how white text looks on a background with the Yxy color 71.3898, 0.2838, 0.2986.

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

71.3898, 0.2838, 0.2986

Protanopia

71.3053, 0.2921, 0.2980

Deuteranopia

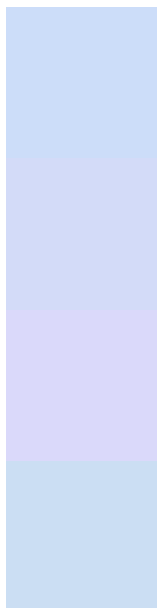
71.1640, 0.2976, 0.2914



Tritanopia

71.0904, 0.2879, 0.3091

Trichromacy



Original Color

71.3898, 0.2838, 0.2986

Protanomaly

71.2892, 0.2889, 0.2978

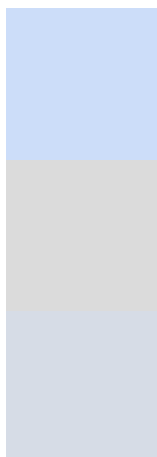
Deuteranomaly

71.4333, 0.2922, 0.2941

Tritanomaly

71.4101, 0.2868, 0.3060

Monochromacy



Original Color

71.3898, 0.2838, 0.2986

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.1957, 0.3020, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3898, 0.2838, 0.2986 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(204, 221, 249)` looks like.

```
.text, #text, p{  
    color:rgb(204, 221, 249)  
}
```

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(204, 221, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 221, 249) }
```

Border

The CSS property to change the border of an element to Yxy 71.3898, 0.2838, 0.2986 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(204, 221, 249) }
```

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

```
.border{ border-color:rgb(204, 221, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 221, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 221, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 221, 249);  
box-shadow:4px 4px 4px 4px rgb(204, 221,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3898, 0.2838, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 221, 249) }
```

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

```
.background{ background-color: rgb(204,  
221, 249) }
```

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