

Converting Colors

$Yxy(71.2922, 0.2823, 0.2977)$

Have a look what the booklet for
Yxy(71.2922, 0.2823, 0.2977)
contains.

Yxy(71.1716, 0.2820, 0.2975)	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(71.1716, 0.2820, 0.2975)

Conversions

Conversions Part 1

Format	Color
Hex	CADDFA
RGB	202, 221, 250
RGB Percent	79%, 87%, 98%
CMY	0.2079, 0.1333, 0.0197
CMYK	0.19, 0.12, 0.00, 0.02
HSL	216°, 83%, 89%
HSV	216°, 19%, 98%
XYZ	67.4635, 71.1716, 100.5972
YIQ	218.6250, -20.6330, 4.9910

Conversions

Conversions Part 2

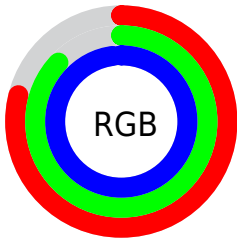
Format	Color
R _Y B	202, 216, 250
Decimal	13295098
CIE Lab	87.57, -0.40, -16.23
CIE LCh	88, 16.231, 268.578
Yxy	71.1716, 0.2820, 0.2975
Android (android.graphics.Color)	4291485178 (0xFFCADDFA)
YUV	218.6250, 15.4679, -14.5801
Hunter-Lab	84.3633, -4.8931, -11.6448

Details

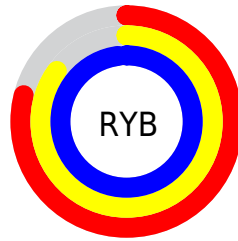
The Yxy color **71.1716, 0.2820, 0.2975** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.7086, 0.3451, 0.3586**, and the grayscale version is **70.4671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.3257, 0.2748, 0.2907** is the 20% darker color. If you saturate the color by 10%, you get **60.3518, 0.2649, 0.2783**, and if you desaturate by 10%, it is **83.2782, 0.2984, 0.3148**.

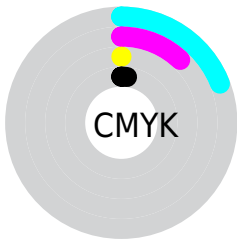
Distribution



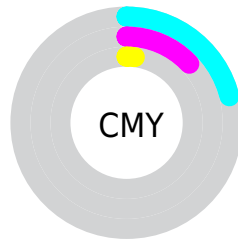
- Red (79%)
- Green (87%)
- Blue (98%)



- Red (79%)
- Yellow (85%)
- Blue (98%)



- Cyan (19%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (21%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1716, 0.2820, 0.2975 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 71.1716, 0.2820, 0.2975 by changing the saturation by 10% instead.

■ 71.1716, 0.2820,
0.2975

■ 71.1716, 0.2820,
0.2975

464.6531, 0.2962,
0.3121

■ 52.4822, 0.2788,
0.2942

120.8780, 0.2869,
0.3025

■ 37.3896, 0.2748,
0.2901

152.6639, 0.2888,
0.3045

■ 25.5093, 0.2698,
0.2850

189.5841, 0.2905,
0.3062

■ 16.4569, 0.2633,
0.2783

232.0229, 0.2919,
0.3077

■ 9.8480, 0.2545,
0.2692

280.3648, 0.2932,
0.3090

■ 5.2983, 0.2420,
0.2563

334.9943, 0.2943,

■ 2.4233, 0.2229,

0.3101

396.2955, 0.2953,
0.3111

0.2365

0.8379, 0.1906,
0.2030

0.0000, 0.0000,
0.0000

71.1716, 0.2820,
0.2975

71.1716, 0.2820,
0.2975

60.3518, 0.2649,
0.2783

83.2782, 0.2984,
0.3148

50.7641, 0.2474,
0.2574

96.7061, 0.3139,
0.3302

42.3624, 0.2301,
0.2350

99.6801, 0.3156,
0.3338

35.0942, 0.2136,
0.2116

■ 28.9020, 0.1984,
0.1879

■ 23.7225, 0.1855,
0.1647

■ 19.4830, 0.1752,
0.1430

■ 16.0845, 0.1678,
0.1234

■ 15.8382, 0.1672,
0.1219

Harmonies

Analogous

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



71.1716, 0.2753, 0.3068



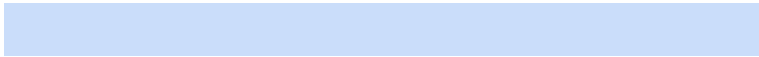
71.1716, 0.2820, 0.2975



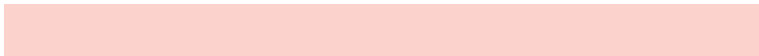
71.1716, 0.2968, 0.2966

Triad

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



71.1716, 0.2820, 0.2975



71.1716, 0.3485, 0.3336



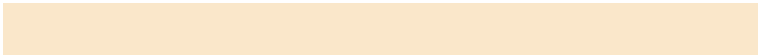
71.1716, 0.3082, 0.3564

Complementary

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



71.1716, 0.2820, 0.2975



81.7086, 0.3451, 0.3586

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.



71.1716, 0.3279, 0.3636



71.1716, 0.2820, 0.2975



71.1716, 0.3516, 0.3496

Square

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



71.1716, 0.2820, 0.2975



71.1716, 0.3354, 0.3170



71.1716, 0.3439, 0.3609



71.1716, 0.2901, 0.3411

Rectangle

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



71.1716, 0.2820, 0.2975



71.1716, 0.3096, 0.3005



71.1716, 0.3439, 0.3609



71.1716, 0.3148, 0.3599

Sweetspot

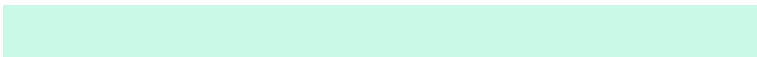
The Sweet Spot groups the original color and five complimentary colors.



71.1745, 0.2820, 0.2975



91.4610, 0.3035, 0.3199



86.6647, 0.2942, 0.3496



19.3840, 0.3024, 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.



71.1745, 0.2820, 0.2975



69.9774, 0.2755, 0.2904



62.3752, 0.2840, 0.2766



17.7718, 0.2979, 0.3143



8.6651, 0.1681, 0.1249



1.0030, 0.1746, 0.1484

Inverse Universe

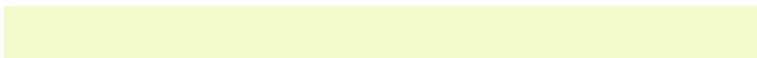
The Inverse Universe completely reimagines the original color for something new.



67.7785, 0.3360, 0.3095



66.0439, 0.3418, 0.3054



92.0590, 0.3385, 0.3774



17.3392, 0.3231, 0.3196



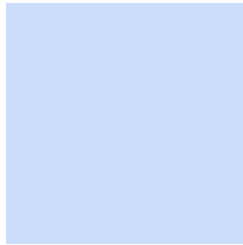
11.2856, 0.5397, 0.2747



1.0655, 0.5080, 0.2572

Previews

White Background



This preview shows how the Yxy color 71.1716, 0.2820, 0.2975 looks on a white background.

Color Contrast Check

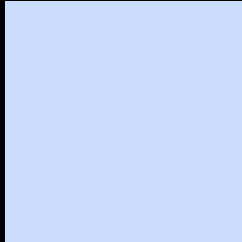
Large Text (above 18pt) WCAG AA × Fail

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 71.1716, 0.2820, 0.2975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

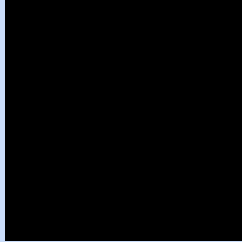
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

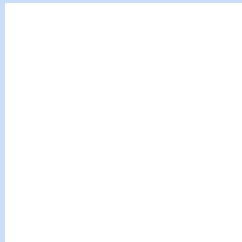
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.1716, 0.2820, 0.2975

Background



This preview shows how black text looks on a background with the Yxy color 71.1716, 0.2820, 0.2975.



This preview shows how white text looks on a background with the Yxy color 71.1716, 0.2820, 0.2975.

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

71.1716, 0.2820, 0.2975

Protanopia

71.3672, 0.2915, 0.2970

Deuteranopia

71.0657, 0.2963, 0.2904



Tritanopia

71.3460, 0.2867, 0.3102

Trichromacy



Original Color

71.1716, 0.2820, 0.2975

Protanomaly

71.2042, 0.2876, 0.2968

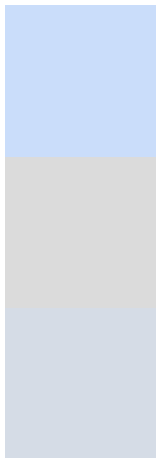
Deuteranomaly

71.3425, 0.2909, 0.2930

Tritanomaly

71.1917, 0.2849, 0.3048

Monochromacy



Original Color

71.1716, 0.2820, 0.2975

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.0457, 0.3013, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1716, 0.2820, 0.2975 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, 221, 250)` looks like.

```
.text, #text, p{  
    color:rgb(202, 221, 250)  
}
```

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, 221, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 221, 250) }
```

Border

The CSS property to change the border of an element to Yxy 71.1716, 0.2820, 0.2975 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, 221, 250) }
```

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

```
.border{ border-color:rgb(202, 221, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 221, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 221, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 221, 250);  
box-shadow:4px 4px 4px 4px rgb(202, 221,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1716, 0.2820, 0.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 221, 250) }
```

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

```
.background{ background-color: rgb(202,  
221, 250) }
```

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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