

Converting Colors

$Yxy(71.4259, 0.2809, 0.2999)$

Have a look what the booklet for
Yxy(71.4259, 0.2809, 0.2999)
contains.

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Color

Yxy(71.2242, 0.2807, 0.2995)

Conversions

Conversions Part 1

Format	Color
Hex	C7DEF9
RGB	199, 222, 249
RGB Percent	78%, 87%, 98%
CMY	0.2199, 0.1293, 0.0236
CMYK	0.20, 0.11, 0.00, 0.02
HSL	212°, 81%, 88%
HSV	212°, 20%, 98%
XYZ	66.7534, 71.2242, 99.8328
YIQ	218.2010, -22.3750, 3.5210

Conversions

Conversions Part 2

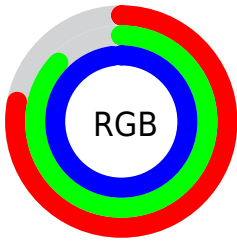
Format	Color
R _{YB}	199, 215, 249
Decimal	13098745
CIE Lab	87.59, -2.08, -15.69
CIE LCh	88, 15.825, 262.436
Yxy	71.2242, 0.2807, 0.2995
Android (android.graphics.Color)	4291288825 (0xFFC7DEF9)
YUV	218.2010, 15.1839, -16.8393
Hunter-Lab	84.3944, -6.5023, -11.0599

Details

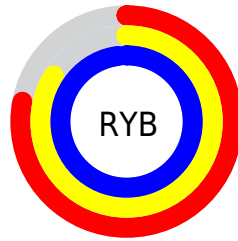
The Yxy color **71.2242, 0.2807, 0.2995** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.5744, 0.3475, 0.3568**, and the grayscale version is **70.1536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.4170, 0.2726, 0.2919** is the 20% darker color. If you saturate the color by 10%, you get **61.2571, 0.2640, 0.2824**, and if you desaturate by 10%, it is **82.3202, 0.2970, 0.3150**.

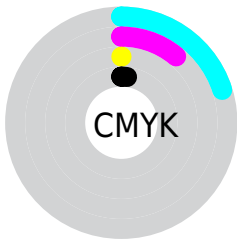
Distribution



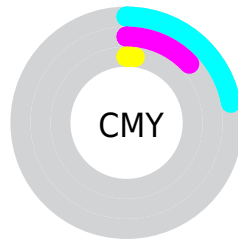
- Red (78%)
- Green (87%)
- Blue (98%)



- Red (78%)
- Yellow (84%)
- Blue (98%)



- Cyan (20%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)



- Cyan (22%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2242, 0.2807, 0.2995 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 71.2242, 0.2807, 0.2995 by changing the saturation by 10% instead.

■ 71.2242, 0.2807,
0.2995

■ 71.2242, 0.2807,
0.2995

464.8368, 0.2954,
0.3132

■ 52.5252, 0.2774,
0.2964

120.9529, 0.2858,
0.3042

■ 37.4239, 0.2732,
0.2925

152.7514, 0.2878,
0.3061

■ 25.5358, 0.2680,
0.2876

189.6851, 0.2895,
0.3077

■ 16.4767, 0.2613,
0.2813

232.1385, 0.2910,
0.3091

■ 9.8621, 0.2522,
0.2726

280.4960, 0.2923,
0.3103

■ 5.3076, 0.2393,
0.2603

335.1420, 0.2935,

■ 2.4289, 0.2196,

0.3114

0.2413

396.4608, 0.2945,
0.3123

0.8407, 0.1858,
0.2088

0.0000, 0.0000,
0.0000

71.2242, 0.2807,
0.2995

71.2242, 0.2807,
0.2995

61.2571, 0.2640,
0.2824

82.3202, 0.2970,
0.3150

52.3700, 0.2471,
0.2637

94.5742, 0.3126,
0.3289

44.5229, 0.2307,
0.2438

99.6182, 0.3162,
0.3348

37.6696, 0.2151,
0.2229

■ 31.7594, 0.2011,
0.2016

■ 26.7359, 0.1892,
0.1806

■ 22.5339, 0.1797,
0.1605

■ 19.0889, 0.1728,
0.1421

Harmonies

Analogous

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



71.2242, 0.2760, 0.3101



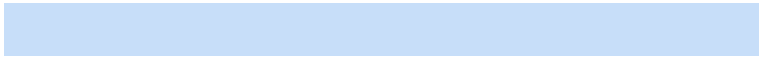
71.2242, 0.2807, 0.2995



71.2242, 0.2938, 0.2969

Triad

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



71.2242, 0.2807, 0.2995



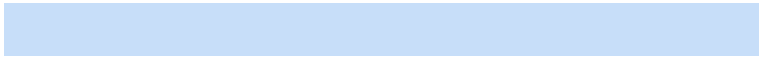
71.2242, 0.3456, 0.3301



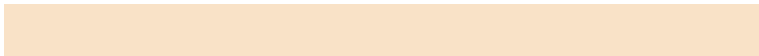
71.2242, 0.3123, 0.3579

Complementary

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



71.2242, 0.2807, 0.2995



78.5744, 0.3475, 0.3568

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.



71.2242, 0.3312, 0.3630



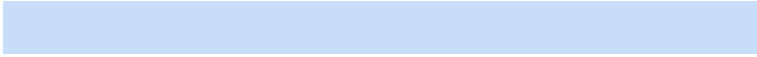
71.2242, 0.2807, 0.2995



71.2242, 0.3508, 0.3462

Square

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



71.2242, 0.2807, 0.2995



71.2242, 0.3313, 0.3143



71.2242, 0.3454, 0.3584



71.2242, 0.2939, 0.3442

Rectangle

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



71.2242, 0.2807, 0.2995



71.2242, 0.3058, 0.2997



71.2242, 0.3454, 0.3584



71.2242, 0.3188, 0.3606

Sweetspot

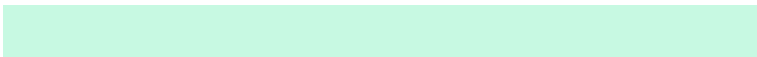
The Sweet Spot groups the original color and five complimentary colors.



71.2271, 0.2807, 0.2995



92.0701, 0.3035, 0.3209



85.3383, 0.2951, 0.3544



19.5278, 0.3024, 0.3200



0.0000, 0.0000, 0.0000



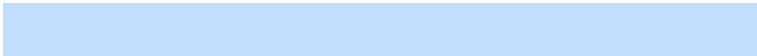
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2271, 0.2807, 0.2995



70.9352, 0.2742, 0.2930



60.0065, 0.2802, 0.2735



17.9637, 0.2979, 0.3159



10.4974, 0.1736, 0.1450



1.1818, 0.1799, 0.1675

Inverse Universe

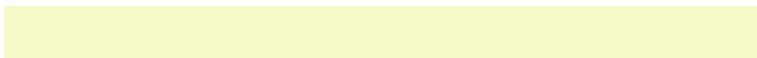
The Inverse Universe completely reimagines the original color for something new.



66.2194, 0.3349, 0.3052



65.0315, 0.3403, 0.3003



91.6879, 0.3420, 0.3794



17.3586, 0.3221, 0.3181



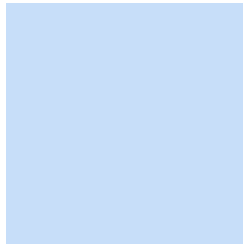
11.4706, 0.5125, 0.2597



1.0835, 0.4837, 0.2438

Previews

White Background



This preview shows how the Yxy color 71.2242, 0.2807, 0.2995 looks on a white background.

Color Contrast Check

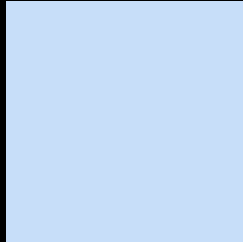
Large Text (above 18pt) WCAG AA × Fail

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 71.2242, 0.2807, 0.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

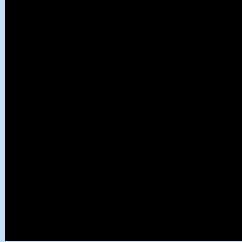
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

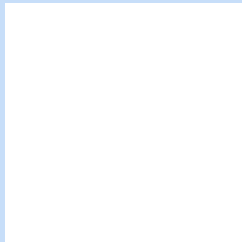
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.2242, 0.2807, 0.2995

Background



This preview shows how black text looks on a background with the Yxy color 71.2242, 0.2807, 0.2995.

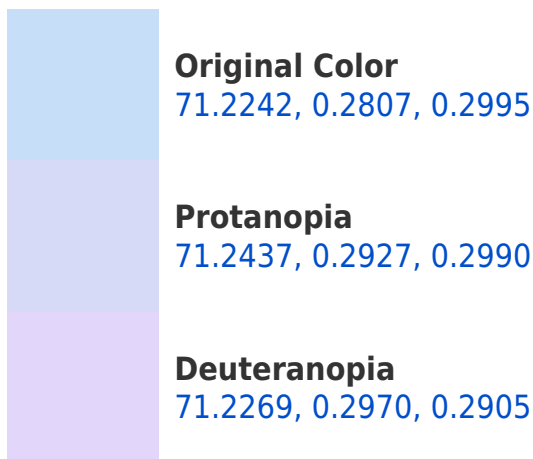


This preview shows how white text looks on a background with the Yxy color 71.2242, 0.2807, 0.2995.

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

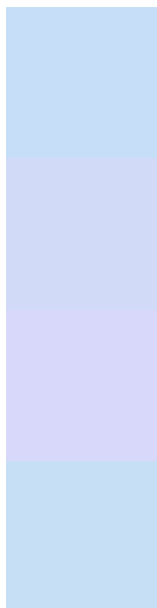




Tritanopia

70.9965, 0.2842, 0.3090

Trichromacy



Original Color

71.2242, 0.2807, 0.2995

Protanomaly

70.9337, 0.2881, 0.2988

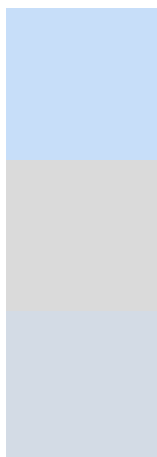
Deuteranomaly

71.1268, 0.2909, 0.2939

Tritanomaly

71.3128, 0.2831, 0.3058

Monochromacy



Original Color

71.2242, 0.2807, 0.2995

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.1691, 0.3006, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2242, 0.2807, 0.2995 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(199, 222, 249)` looks like.

```
.text, #text, p{  
    color:rgb(199, 222, 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(199, 222, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 222, 249) }
```

Border

The CSS property to change the border of an element to Yxy 71.2242, 0.2807, 0.2995 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(199, 222, 249) }
```

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

```
.border{ border-color:rgb(199, 222, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 222, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 222, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 222, 249);  
box-shadow:4px 4px 4px 4px rgb(199, 222,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2242, 0.2807, 0.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 222, 249) }
```

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

```
.background{ background-color: rgb(199,  
222, 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](#).

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