

Converting Colors

$Y_{xy}(70.5520, 0.2773, 0.2867)$

Have a look what the booklet for
Yxy(70.5520, 0.2773, 0.2867)
contains.

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Color

Yxy(70.4396, 0.2790, 0.2901)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | CADBFF |
| RGB | 202, 219, 255 |
| RGB Percent | 79%, 86%, 100% |
| CMY | 0.2077, 0.1412, 0.0000 |
| CMYK | 0.21, 0.14, 0.00, 0.00 |
| HSL | 221°, 100%, 90% |
| HSV | 221°, 21%, 100% |
| XYZ | 67.7444, 70.4396, 104.6275 |
| YIQ | 218.0210, -21.6880, 7.5920 |

Conversions

Conversions Part 2

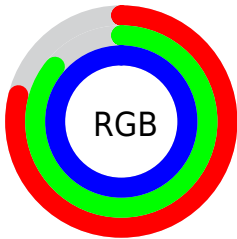
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 202, 215, 255 |
| Decimal | 13294591 |
| CIE Lab | 87.21, 1.75, -19.41 |
| CIE LCh | 87, 19.487, 275.155 |
| Yxy | 70.4396, 0.2790, 0.2901 |
| Android (android.graphics.Color) | 4291484671 (0xFFCADBFF) |
| YUV | 218.0210, 18.2306, -14.0504 |
| Hunter-Lab | 83.9283, -2.7947, -15.1628 |

Details

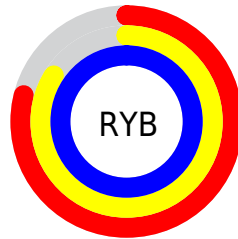
The Yxy color **70.4396, 0.2790, 0.2901** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.6935, 0.3474, 0.3651**, and the grayscale version is **70.0146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8312, 0.2710, 0.2812** is the 20% darker color. If you saturate the color by 10%, you get **58.5958, 0.2613, 0.2680**, and if you desaturate by 10%, it is **83.8185, 0.2958, 0.3100**.

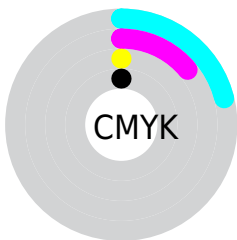
Distribution



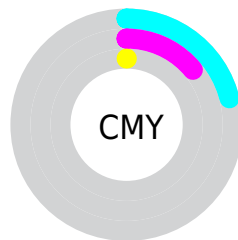
- Red (79%)
- Green (86%)
- Blue (100%)



- Red (79%)
- Yellow (84%)
- Blue (100%)



- Cyan (21%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4396, 0.2790, 0.2901 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 70.4396, 0.2790, 0.2901 by changing the saturation by 10% instead.

■ 70.4396, 0.2790,
0.2901

■ 70.4396, 0.2790,
0.2901

462.0920, 0.2946,
0.3080

■ 51.8850, 0.2755,
0.2861

119.8354, 0.2844,
0.2963

■ 36.9134, 0.2711,
0.2811

151.4455, 0.2865,
0.2987

■ 25.1405, 0.2656,
0.2748

188.1761, 0.2883,
0.3008

■ 16.1817, 0.2584,
0.2667

230.4117, 0.2899,
0.3026

■ 9.6528, 0.2488,
0.2558

278.5367, 0.2913,
0.3042

■ 5.1694, 0.2351,
0.2405

332.9355, 0.2925,

■ 2.3470, 0.2143,

0.3056

0.2174

393.9925, 0.2936,
0.3069

0.7984, 0.1799,
0.1791

0.0000, 0.0000,
0.0000

70.4396, 0.2790,
0.2901

70.4396, 0.2790,
0.2901

58.5958, 0.2613,
0.2680

83.8185, 0.2958,
0.3100

48.2211, 0.2430,
0.2440

98.7783, 0.3116,
0.3277

39.2569, 0.2248,
0.2184

99.9996, 0.3127,
0.3290

31.6371, 0.2074,
0.1921

■ 25.2897, 0.1916,
0.1659

■ 20.1349, 0.1783,
0.1411

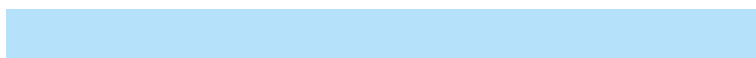
■ 16.0813, 0.1681,
0.1188

■ 13.2039, 0.1615,
0.1013

Harmonies

Analogous

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



70.4396, 0.2687, 0.2989



70.4396, 0.2790, 0.2901



70.4396, 0.2984, 0.2913

Triad

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



70.4396, 0.2790, 0.2901



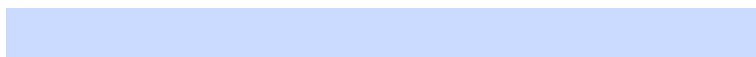
70.4396, 0.3578, 0.3388



70.4396, 0.3020, 0.3588

Complementary

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



70.4396, 0.2790, 0.2901



86.6935, 0.3474, 0.3651

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.



70.4396, 0.3258, 0.3701



70.4396, 0.2790, 0.2901



70.4396, 0.3586, 0.3572

Square

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



70.4396, 0.2790, 0.2901



70.4396, 0.3444, 0.3187



70.4396, 0.3467, 0.3691



70.4396, 0.2816, 0.3387

Rectangle

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



70.4396, 0.2790, 0.2901



70.4396, 0.3142, 0.2974



70.4396, 0.3467, 0.3691



70.4396, 0.3098, 0.3638

Sweetspot

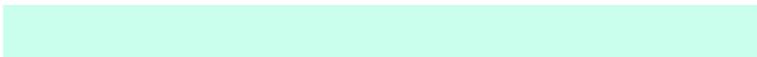
The Sweet Spot groups the original color and five complimentary colors.



70.4425, 0.2790, 0.2901



90.7559, 0.3035, 0.3187



90.2123, 0.2908, 0.3477



19.2176, 0.3025, 0.3176



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.



70.4425, 0.2790, 0.2901



65.2494, 0.2716, 0.2810



63.3061, 0.2837, 0.2721



18.3273, 0.2979, 0.3124



7.1369, 0.1623, 0.1042



0.8825, 0.1685, 0.1264

Inverse Universe

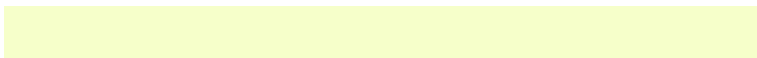
The Inverse Universe completely reimagines the original color for something new.



68.6311, 0.3415, 0.3118



63.3674, 0.3490, 0.3081



95.4055, 0.3383, 0.3820



18.0829, 0.3244, 0.3214



11.4484, 0.5695, 0.2911



1.1336, 0.5376, 0.2735

Previews

White Background



This preview shows how the Yxy color 70.4396, 0.2790, 0.2901 looks on a white background.

Color Contrast Check

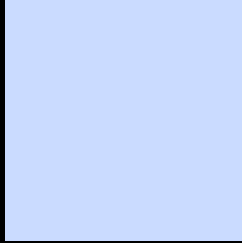
Large Text (above 18pt) WCAG AA × Fail

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 70.4396, 0.2790, 0.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

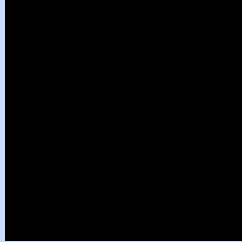
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

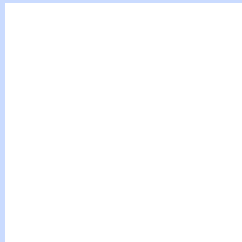
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4396, 0.2790, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 70.4396, 0.2790, 0.2901.

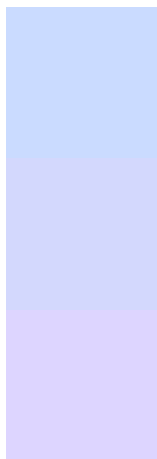


This preview shows how white text looks on a background with the Yxy color 70.4396, 0.2790, 0.2901.

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

70.4396, 0.2790, 0.2901

Protanopia

70.0525, 0.2857, 0.2895

Deuteranopia

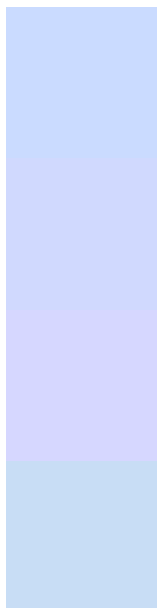
70.1807, 0.2911, 0.2850



Tritanopia

70.6167, 0.2866, 0.3101

Trichromacy



Original Color

70.4396, 0.2790, 0.2901

Protanomaly

70.1914, 0.2832, 0.2893

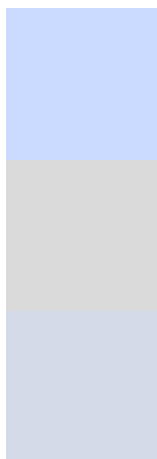
Deuteranomaly

70.1170, 0.2865, 0.2866

Tritanomaly

70.5848, 0.2836, 0.3026

Monochromacy



Original Color

70.4396, 0.2790, 0.2901

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.9094, 0.3000, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4396, 0.2790, 0.2901 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.4396, 0.2790, 0.2901 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, 219, 255) }
```

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

```
.border{ border-color:rgb(202, 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(202, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4396, 0.2790, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 219, 255) }
```

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

```
.background{ background-color: rgb(202,  
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](#).

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