

# Converting Colors

$Yxy(70.8543, 0.2803, 0.2905)$

Have a look what the booklet for  
Yxy(70.8543, 0.2803, 0.2905)  
contains.

|   |    |
|---|----|
| <b>Yxy(70.7204, 0.2802, 0.2902)</b> ..... | 3  |
| <b>Conversions</b> .....                  | 4  |
| <b>Details</b> .....                      | 6  |
| <b>Harmonies</b> .....                    | 12 |
| <b>Previews</b> .....                     | 24 |
| <b>Color Blindness Simulation</b> .....   | 27 |
| <b>CSS Examples</b> .....                 | 30 |

# Color

**$Yxy(70.7204, 0.2802, 0.2902)$**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | CCDBFF                     |
| RGB         | 204, 219, 255              |
| RGB Percent | 80%, 86%, 100%             |
| CMY         | 0.2001, 0.1412, 0.0000     |
| CMYK        | 0.20, 0.14, 0.00, 0.00     |
| HSL         | 222°, 100%, 90%            |
| HSV         | 222°, 20%, 100%            |
| XYZ         | 68.2834, 70.7204, 104.6915 |
| YIQ         | 218.6190, -20.4960, 8.0160 |

# Conversions

## Conversions Part 2

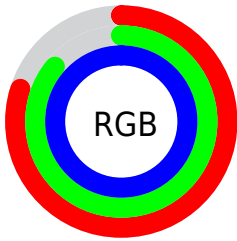
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 204, 216, 255                  |
| Decimal                             | 13425663                       |
| CIE <sub>Lab</sub>                  | 87.35, 2.34, -19.21            |
| CIE <sub>LCh</sub>                  | 87, 19.354, 276.951            |
| Yxy                                 | 70.7204, 0.2802,<br>0.2902     |
| Android<br>(android.graphics.Color) | 4291615743<br>(0xFFCCDBFF)     |
| YUV                                 | 218.6190, 17.9358,<br>-12.8209 |
| Hunter-Lab                          | 84.0954, -2.2293,<br>-14.9441  |

# Details

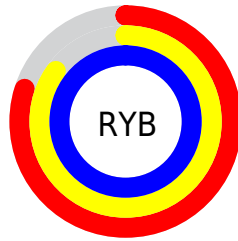
The Yxy color **70.7204, 0.2802, 0.2902** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.9227, 0.3457, 0.3650**, and the grayscale version is **70.4424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0177, 0.2726, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **58.5229, 0.2624, 0.2675**, and if you desaturate by 10%, it is **84.5228, 0.2971, 0.3108**.

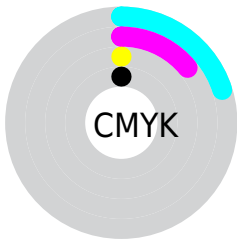
# Distribution



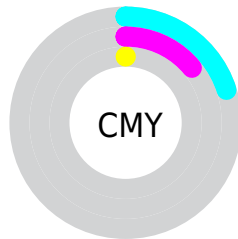
- Red (80%)
- Green (86%)
- Blue (100%)



- Red (80%)
- Yellow (85%)
- Blue (100%)



- Cyan (20%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (14%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7204, 0.2802, 0.2902 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 70.7204, 0.2802, 0.2902 by changing the saturation by 10% instead.



■ 70.7204, 0.2802,  
0.2902

■ 70.7204, 0.2802,  
0.2902

463.0754, 0.2952,  
0.3080

■ 52.1141, 0.2768,  
0.2862

120.2355, 0.2854,  
0.2963

■ 37.0960, 0.2726,  
0.2812

151.9131, 0.2874,  
0.2987

■ 25.2818, 0.2673,  
0.2750

188.7165, 0.2892,  
0.3008

■ 16.2871, 0.2603,  
0.2670

231.0302, 0.2907,  
0.3026

■ 9.7276, 0.2510,  
0.2562

279.2385, 0.2920,  
0.3042

■ 5.2187, 0.2378,  
0.2410

333.7259, 0.2932,

■ 2.3762, 0.2177,

0.3056

0.2182

394.8768, 0.2943,  
0.3069

0.8136, 0.1843,  
0.1805

0.0000, 0.0000,  
0.0000

70.7204, 0.2802,  
0.2902

70.7204, 0.2802,  
0.2902

58.5229, 0.2624,  
0.2675

84.5228, 0.2971,  
0.3108

47.8686, 0.2439,  
0.2426

99.9865, 0.3127,  
0.3290

38.6929, 0.2254,  
0.2162

100.0000, 0.3127,  
0.3290

30.9261, 0.2075,  
0.1889

■ 24.4923, 0.1913,  
0.1620

■ 19.3074, 0.1775,  
0.1365

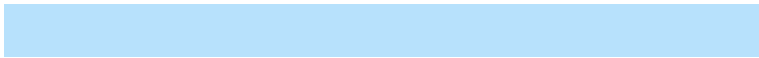
■ 15.2756, 0.1670,  
0.1140

■ 12.2665, 0.1598,  
0.0953

# Harmonies

## Analogous

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



70.7204, 0.2693, 0.2983



70.7204, 0.2802, 0.2902



70.7204, 0.2999, 0.2920

# Triad

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



70.7204, 0.2802, 0.2902



70.7204, 0.3579, 0.3399



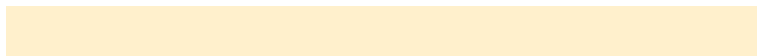
70.7204, 0.3007, 0.3576

# Complementary

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



70.7204, 0.2802, 0.2902



87.9227, 0.3457, 0.3650

# 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.



70.7204, 0.3243, 0.3694



70.7204, 0.2802, 0.2902



70.7204, 0.3579, 0.3579

# Square

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



70.7204, 0.2802, 0.2902



70.7204, 0.3452, 0.3200



70.7204, 0.3454, 0.3692



70.7204, 0.2808, 0.3373



# Rectangle

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



70.7204, 0.2802, 0.2902



70.7204, 0.3157, 0.2983



70.7204, 0.3454, 0.3692



70.7204, 0.3084, 0.3627

# Sweetspot

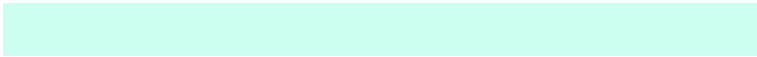
The Sweet Spot groups the original color and five complimentary colors.



70.7207, 0.2802, 0.2902



90.5184, 0.3035, 0.3183



90.6275, 0.2907, 0.3451



19.1616, 0.3025, 0.3171



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.



70.7207, 0.2802, 0.2902



65.6626, 0.2732, 0.2814



64.7194, 0.2861, 0.2746



18.2495, 0.2979, 0.3117



6.6330, 0.1606, 0.0981



0.8255, 0.1667, 0.1199



# Inverse Universe

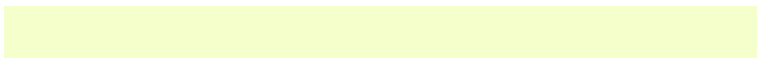
The Inverse Universe completely reimagines the original color for something new.



69.5505, 0.3412, 0.3138



64.4993, 0.3484, 0.3106



95.2544, 0.3362, 0.3802



18.0751, 0.3248, 0.3220



11.3976, 0.5788, 0.2962

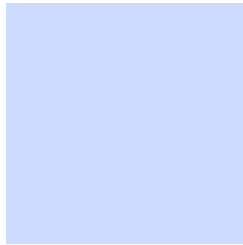


1.1279, 0.5468, 0.2786



# Previews

## White Background



This preview shows how the Yxy color 70.7204, 0.2802, 0.2902 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

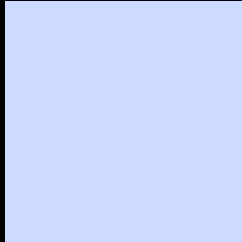
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.7204, 0.2802, 0.2902 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

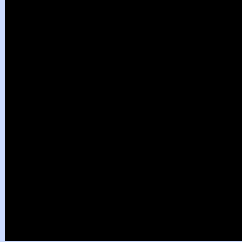
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

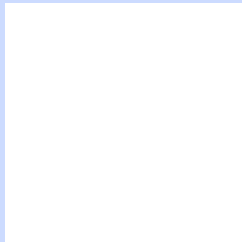
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.7204, 0.2802, 0.2902**

## Background



This preview shows how black text looks on a background with the Yxy color 70.7204, 0.2802, 0.2902.

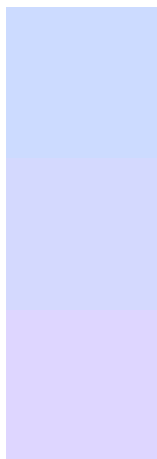


This preview shows how white text looks on a background with the Yxy color 70.7204, 0.2802, 0.2902.

# 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

70.7204, 0.2802, 0.2902

### Protanopia

70.7785, 0.2858, 0.2896

### Deuteranopia

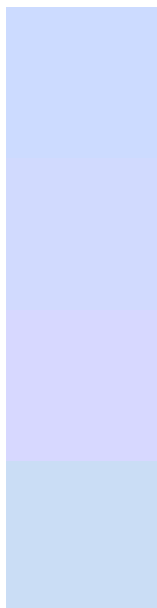
70.8427, 0.2918, 0.2862



## Tritanopia

70.8921, 0.2878, 0.3102

# Trichromacy



## Original Color

70.7204, 0.2802, 0.2902

## Protanomaly

70.8539, 0.2839, 0.2905

## Deuteranomaly

70.7788, 0.2872, 0.2878

## Tritanomaly

70.8620, 0.2849, 0.3027

# Monochromacy



## Original Color

70.7204, 0.2802, 0.2902

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

70.7854, 0.3008, 0.3148

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7204, 0.2802, 0.2902 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, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 219, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7204, 0.2802, 0.2902 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, 219, 255) }
```

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

```
.border{ border-color:rgb(204, 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(204, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 219,  
255) }
```



# Background

The CSS property to change the background color of an element to  $Yxy$  70.7204, 0.2802, 0.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 219, 255) }
```

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

```
.background{ background-color: rgb(204,  
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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