

# Converting Colors

$Y_{xy}(73.2180, 0.2792, 0.2960)$

Have a look what the booklet for  
Yxy(73.2180, 0.2792, 0.2960)  
contains.

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# Color

**Yxy(73.0879, 0.2794, 0.2956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAE0FF
RGB	202, 224, 255
RGB Percent	79%, 88%, 100%
CMY	0.2075, 0.1216, 0.0000
CMYK	0.21, 0.12, 0.00, 0.00
HSL	215°, 100%, 90%
HSV	215°, 21%, 100%
XYZ	69.0824, 73.0879, 105.0824
YIQ	220.9560, -23.0630, 4.9770

# Conversions

## Conversions Part 2

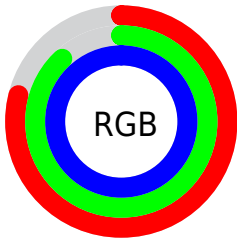
Format	Color
R <sub>Y</sub> B	202, 218, 255
Decimal	13295871
CIE Lab	88.49, -0.83, -17.49
CIE LCh	88, 17.511, 267.268
Yxy	73.0879, 0.2794, 0.2956
Android (android.graphics.Color)	4291485951 (0xFFCAE0FF)
YUV	220.9560, 16.7837, -16.6244
Hunter-Lab	85.4915, -5.3710, -13.0327

# Details

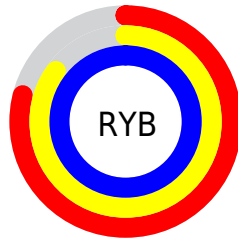
The Yxy color **73.0879, 0.2794, 0.2956** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.8713, 0.3483, 0.3603**, and the grayscale version is **72.1773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.6562, 0.2717, 0.2884** is the 20% darker color. If you saturate the color by 10%, you get **62.1344, 0.2623, 0.2767**, and if you desaturate by 10%, it is **85.3404, 0.2959, 0.3127**.

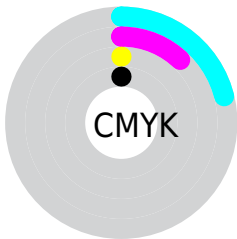
# Distribution



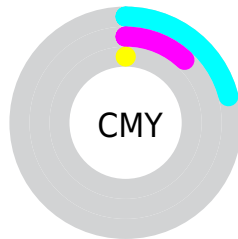
- Red (79%)
- Green (88%)
- Blue (100%)



- Red (79%)
- Yellow (85%)
- Blue (100%)



- Cyan (21%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0879, 0.2794, 0.2956 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 73.0879, 0.2794, 0.2956 by changing the saturation by 10% instead.



■ 73.0879, 0.2794,  
0.2956

■ 73.0879, 0.2794,  
0.2956

471.3194, 0.2947,  
0.3110

■ 54.0478, 0.2760,  
0.2921

123.6020, 0.2847,  
0.3009

■ 38.6399, 0.2717,  
0.2879

155.8448, 0.2867,  
0.3030

■ 26.4797, 0.2664,  
0.2825

193.2573, 0.2885,  
0.3048

■ 17.1829, 0.2595,  
0.2755

236.2240, 0.2900,  
0.3063

■ 10.3650, 0.2503,  
0.2661

285.1291, 0.2914,  
0.3077

■ 5.6416, 0.2372,  
0.2529

340.3571, 0.2926,

■ 2.6284, 0.2176,

0.3089

0.2329

402.2924, 0.2937,  
0.3100

0.9410, 0.1853,  
0.1997

0.0000, 0.0000,  
0.0000

73.0879, 0.2794,  
0.2956

73.0879, 0.2794,  
0.2956

62.1344, 0.2623,  
0.2767

85.3404, 0.2959,  
0.3127

52.4262, 0.2450,  
0.2562

98.9294, 0.3116,  
0.3279

43.9155, 0.2280,  
0.2342

100.0000, 0.3127,  
0.3290

36.5481, 0.2118,  
0.2114

■ 30.2651, 0.1972,  
0.1883

■ 25.0007, 0.1848,  
0.1657

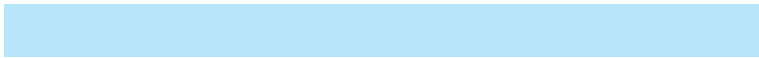
■ 20.6793, 0.1752,  
0.1446

■ 17.4226, 0.1686,  
0.1269

# Harmonies

## Analogous

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



73.0879, 0.2727, 0.3058



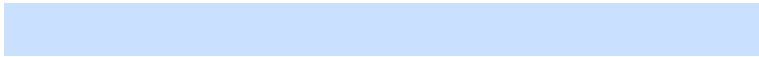
73.0879, 0.2794, 0.2956



73.0879, 0.2949, 0.2943

# Triad

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



73.0879, 0.2794, 0.2956



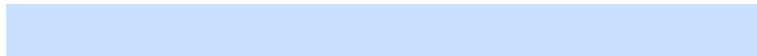
73.0879, 0.3506, 0.3331



73.0879, 0.3087, 0.3589

# Complementary

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



73.0879, 0.2794, 0.2956



83.8713, 0.3483, 0.3603

# 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.



73.0879, 0.3298, 0.3662



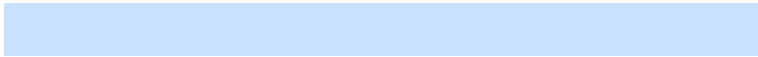
73.0879, 0.2794, 0.2956



73.0879, 0.3544, 0.3503

# Square

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



73.0879, 0.2794, 0.2956



73.0879, 0.3362, 0.3155



73.0879, 0.3466, 0.3627



73.0879, 0.2893, 0.3427



# Rectangle

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



73.0879, 0.2794, 0.2956



73.0879, 0.3085, 0.2982



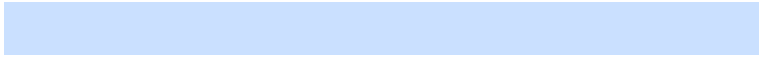
73.0879, 0.3466, 0.3627



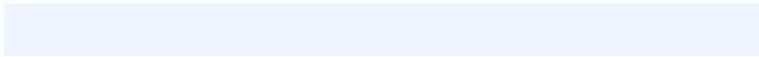
73.0879, 0.3159, 0.3625

# Sweetspot

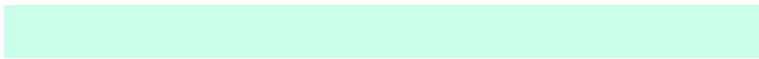
The Sweet Spot groups the original color and five complimentary colors.



73.0902, 0.2794, 0.2956



91.6221, 0.3035, 0.3201



89.9704, 0.2932, 0.3524



19.4220, 0.3024, 0.3191



0.0000, 0.0000, 0.0000

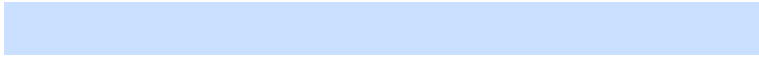


21.4041, 0.3127, 0.3290

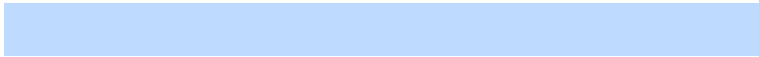


# Same Dimension

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



73.0902, 0.2794, 0.2956



68.2756, 0.2722, 0.2878



62.6991, 0.2807, 0.2717



18.6121, 0.2979, 0.3147



9.3812, 0.1694, 0.1299



1.1227, 0.1756, 0.1521



# Inverse Universe

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



68.9260, 0.3377, 0.3069



63.6729, 0.3442, 0.3021



96.2221, 0.3412, 0.3814



18.1117, 0.3229, 0.3192



11.6750, 0.5328, 0.2709

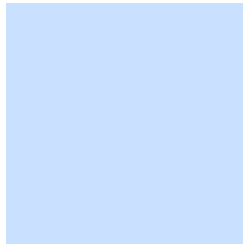


1.1579, 0.5032, 0.2546



# Previews

## White Background



This preview shows how the Yxy color 73.0879, 0.2794, 0.2956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

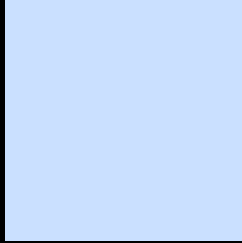
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0879, 0.2794, 0.2956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

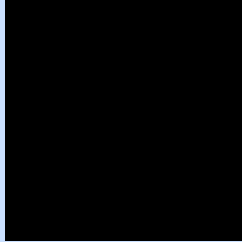
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

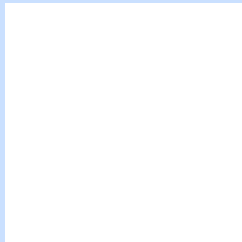
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.0879, 0.2794, 0.2956**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.0879, 0.2794, 0.2956.



This preview shows how white text looks on a background with the Yxy color 73.0879, 0.2794, 0.2956.

# 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

73.0879, 0.2794, 0.2956

### Protanopia

72.9664, 0.2904, 0.2952

### Deuteranopia

73.0145, 0.2945, 0.2897



## Tritanopia

73.2037, 0.2845, 0.3092

# Trichromacy



## Original Color

73.0879, 0.2794, 0.2956

## Protanomaly

72.8018, 0.2866, 0.2950

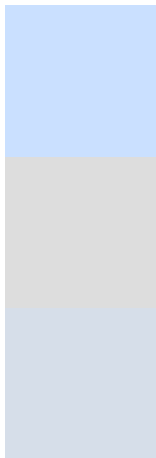
## Deuteranomaly

73.1581, 0.2886, 0.2922

## Tritanomaly

73.0452, 0.2828, 0.3039

# Monochromacy



## Original Color

73.0879, 0.2794, 0.2956

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.4219, 0.3001, 0.3170

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0879, 0.2794, 0.2956 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, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 224, 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, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 224, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0879, 0.2794, 0.2956 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, 224, 255) }
```

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

```
.border{ border-color:rgb(202, 224, 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, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 224,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0879, 0.2794, 0.2956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 224, 255) }
```

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

```
.background{ background-color: rgb(202,  
224, 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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