

# Converting Colors

$Yxy(71.2021, 0.2841, 0.3145)$

Have a look what the booklet for  
Yxy(71.2021, 0.2841, 0.3145)  
contains.

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# Color

**Yxy(71.4928, 0.2841, 0.3144)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2E1EE
RGB	194, 225, 238
RGB Percent	76%, 88%, 93%
CMY	0.2393, 0.1176, 0.0666
CMYK	0.19, 0.05, 0.00, 0.07
HSL	198°, 56%, 85%
HSV	198°, 19%, 93%
XYZ	64.6027, 71.4928, 91.2989
YIQ	217.2130, -22.6490, -2.5290

# Conversions

## Conversions Part 2

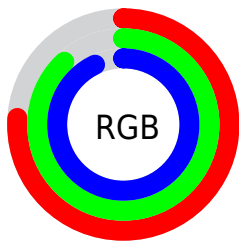
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 212, 238
Decimal	12771822
CIELab	87.72, -7.47, -9.76
CIELCh	88, 12.291, 232.578
Yxy	71.4928, 0.2841, 0.3144
Android (android.graphics.Color)	4290961902 (0xFFC2E1EE)
YUV	217.2130, 10.2480, -20.3578
Hunter-Lab	84.5534, -11.5862, -4.8326

# Details

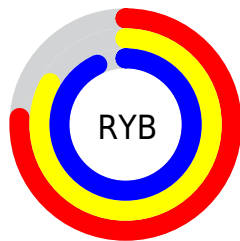
The Yxy color **71.4928, 0.2841, 0.3144** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.6931, 0.3463, 0.3432**, and the grayscale version is **69.4809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **37.7023, 0.2777, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **64.8711, 0.2689, 0.3054**, and if you desaturate by 10%, it is **78.7813, 0.2996, 0.3226**.

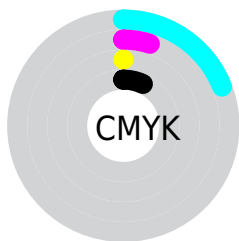
# Distribution



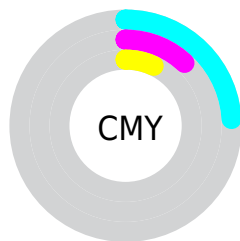
- Red (76%)
- Green (88%)
- Blue (93%)



- Red (76%)
- Yellow (83%)
- Blue (93%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (24%)
- Magenta (12%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4928, 0.2841, 0.3144 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 71.4928, 0.2841, 0.3144 by changing the saturation by 10% instead.



■ 71.4928, 0.2841,  
0.3144

■ 71.4928, 0.2841,  
0.3144

■ 465.7743, 0.2973,  
0.3213

■ 52.7445, 0.2811,  
0.3128

■ 121.3352, 0.2887,  
0.3168

■ 37.5988, 0.2774,  
0.3108

■ 153.1979, 0.2904,  
0.3178

■ 25.6715, 0.2728,  
0.3082

■ 190.2010, 0.2920,  
0.3186

■ 16.5780, 0.2667,  
0.3048

■ 232.7288, 0.2933,  
0.3193

■ 9.9341, 0.2585,  
0.3001

■ 281.1656, 0.2945,  
0.3199

■ 5.3553, 0.2468,  
0.2932

■ 335.8958, 0.2955,

■ 2.4572, 0.2288,

0.3204

0.2820

397.3039, 0.2964,  
0.3209

0.8551, 0.1936,  
0.2627

0.0000, 0.0000,  
0.0000

71.4928, 0.2841,  
0.3144

71.4928, 0.2841,  
0.3144

64.8711, 0.2689,  
0.3054

78.7813, 0.2996,  
0.3226

58.8815, 0.2543,  
0.2957

86.7520, 0.3150,  
0.3301

53.4993, 0.2407,  
0.2854

93.4086, 0.3234,  
0.3369

48.6940, 0.2283,  
0.2745

97.7697, 0.3228,  
0.3436

■ 44.4323, 0.2176,  
0.2634

■ 98.9543, 0.3226,  
0.3454

■ 40.6761, 0.2089,  
0.2521

■ 37.3812, 0.2022,  
0.2408

■ 34.4841, 0.1973,  
0.2297

■ 34.0726, 0.1967,  
0.2281

# Harmonies

## Analogous

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



71.4928, 0.2878, 0.3271



71.4928, 0.2841, 0.3144



71.4928, 0.2878, 0.3061

# Triad

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



71.4928, 0.2841, 0.3144



71.4928, 0.3273, 0.3176



71.4928, 0.3271, 0.3552

# Complementary

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



71.4928, 0.2841, 0.3144



66.6931, 0.3463, 0.3432

# 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.



71.4928, 0.3381, 0.3519



71.4928, 0.2841, 0.3144



71.4928, 0.3382, 0.3301

# Square

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



71.4928, 0.2841, 0.3144



71.4928, 0.3125, 0.3082



71.4928, 0.3422, 0.3426



71.4928, 0.3124, 0.3512



# Rectangle

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



71.4928, 0.2841, 0.3144



71.4928, 0.2941, 0.3039



71.4928, 0.3422, 0.3426



71.4928, 0.3313, 0.3549

# Sweetspot

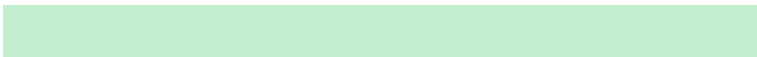
The Sweet Spot groups the original color and five complimentary colors.



71.4957, 0.2841, 0.3144



94.3629, 0.3034, 0.3245



77.1057, 0.3030, 0.3649



20.0700, 0.3024, 0.3240



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

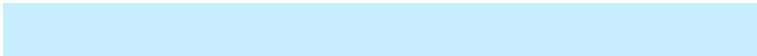


# Same Dimension

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



71.4957, 0.2841, 0.3144



80.7471, 0.2786, 0.3113



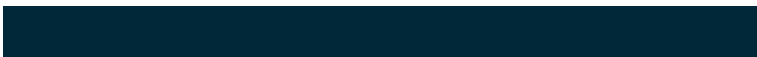
60.5966, 0.2827, 0.2896



17.0944, 0.2981, 0.3219



19.2407, 0.1972, 0.2298



1.7725, 0.2012, 0.2444



# Inverse Universe

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



62.1893, 0.3245, 0.2962



68.2591, 0.3272, 0.2896



77.8247, 0.3423, 0.3655



15.9472, 0.3183, 0.3125



11.7357, 0.4128, 0.2048

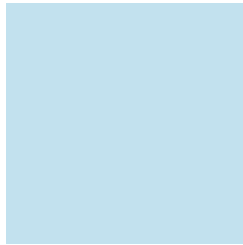


0.9936, 0.3978, 0.1965



# Previews

## White Background



This preview shows how the Yxy color 71.4928, 0.2841, 0.3144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

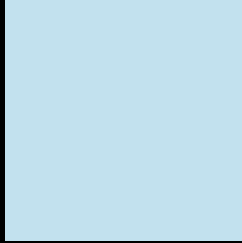
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4928, 0.2841, 0.3144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

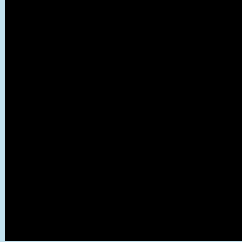
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

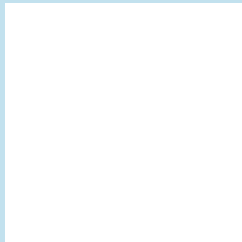
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.4928, 0.2841, 0.3144**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4928, 0.2841, 0.3144.

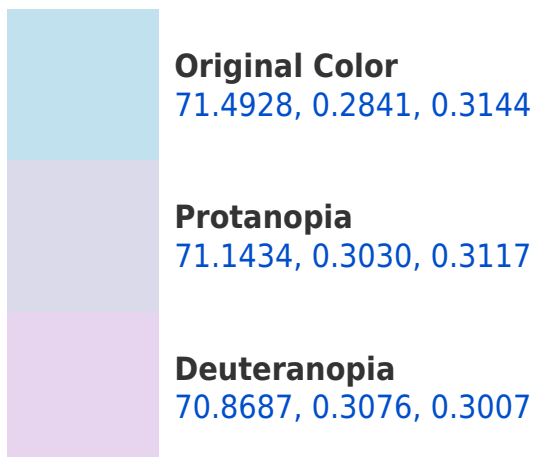


This preview shows how white text looks on a background with the Yxy color 71.4928, 0.2841, 0.3144.

# 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

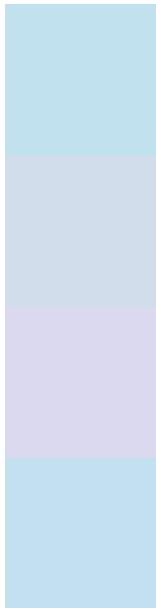




## Tritanopia

71.3242, 0.2824, 0.3090

# Trichromacy



**Original Color**

71.4928, 0.2841, 0.3144

**Protanomaly**

71.4127, 0.2962, 0.3137

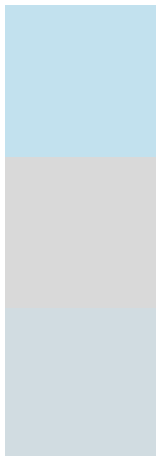
**Deuteranomaly**

70.7631, 0.2991, 0.3054

**Tritanomaly**

71.2643, 0.2830, 0.3100

# Monochromacy



**Original Color**

71.4928, 0.2841, 0.3144

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

70.1780, 0.3018, 0.3234

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4928, 0.2841, 0.3144 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(194, 225, 238)` looks like.

```
.text, #text, p{  
    color:rgb(194, 225, 238)  
}
```

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(194, 225, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 225, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4928, 0.2841, 0.3144 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(194, 225, 238) }
```

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

```
.border{ border-color:rgb(194, 225, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 225, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 225, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 225, 238);  
box-shadow:4px 4px 4px 4px rgb(194, 225,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4928, 0.2841, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 225, 238) }
```

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

```
.background{ background-color: rgb(194,  
225, 238) }
```

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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