

# Converting Colors

$Yxy(74.7807, 0.2929, 0.3278)$

Have a look what the booklet for  
Yxy(74.7807, 0.2929, 0.3278)  
contains.

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# Color

**Yxy(74.7807, 0.2929, 0.3278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E6E7
RGB	201, 230, 231
RGB Percent	79%, 90%, 91%
CMY	0.2116, 0.0981, 0.0940
CMYK	0.13, 0.00, 0.00, 0.09
HSL	182°, 38%, 85%
HSV	182°, 13%, 91%
XYZ	66.8190, 74.7807, 86.5293
YIQ	221.4430, -17.6050, -5.8370

# Conversions

## Conversions Part 2

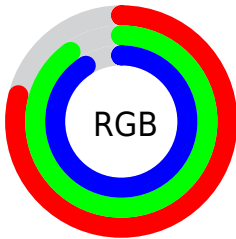
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 216, 231
Decimal	13231847
CIE Lab	89.29, -9.25, -3.72
CIE LCh	89, 9.969, 201.898
Yxy	74.7807, 0.2929, 0.3278
Android (android.graphics.Color)	4291421927 (0xFFC9E6E7)
YUV	221.4430, 4.7116, -17.9285
Hunter-Lab	86.4758, -13.4076, 1.2064

# Details

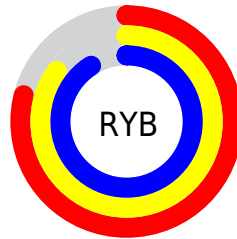
The Yxy color  $74.7807, 0.2929, 0.3278$  is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be  $63.4884, 0.3362, 0.3302$ , and the grayscale version is  $72.6170, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.5703, 0.2889, 0.3275$  is the 20% darker color. If you saturate the color by 10%, you get  $71.3772, 0.2786, 0.3268$ , and if you desaturate by 10%, it is  $78.6740, 0.3081, 0.3287$ .

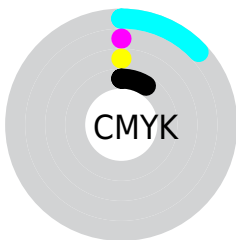
# Distribution



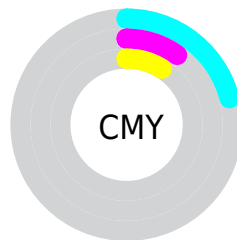
- Red (79%)
- Green (90%)
- Blue (91%)



- Red (79%)
- Yellow (85%)
- Blue (91%)



- Cyan (13%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (21%)
- Magenta (10%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7807, 0.2929, 0.3278 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 74.7807, 0.2929, 0.3278 by changing the saturation by 10% instead.



■ 74.7807, 0.2929,  
0.3278

■ 74.7807, 0.2929,  
0.3278

477.1635, 0.3020,  
0.3284

■ 55.4333, 0.2908,  
0.3276

126.0019, 0.2960,  
0.3280

■ 39.7487, 0.2883,  
0.3274

158.6444, 0.2973,  
0.3281

■ 27.3427, 0.2851,  
0.3272

196.4874, 0.2983,  
0.3282

■ 17.8307, 0.2810,  
0.3268

239.9153, 0.2992,  
0.3283

■ 10.8285, 0.2754,  
0.3262

289.3124, 0.3000,  
0.3283

■ 5.9517, 0.2673,  
0.3254

345.0633, 0.3008,

■ 2.8157, 0.2550,

0.3284

407.5521, 0.3014,  
0.3284

0.3238

1.0363, 0.2327,  
0.3208

0.0000, 0.0000,  
0.0000

74.7807, 0.2929,  
0.3278

74.7807, 0.2929,  
0.3278

71.3772, 0.2786,  
0.3268

78.6740, 0.3081,  
0.3287

68.4328, 0.2655,  
0.3257

83.0678, 0.3238,  
0.3296

65.9274, 0.2538,  
0.3246

84.9553, 0.3291,  
0.3304

63.8361, 0.2438,  
0.3235

85.4044, 0.3290,  
0.3312

62.1313, 0.2356,  
0.3223

85.8555, 0.3289,  
0.3319

60.7821, 0.2294,  
0.3211

86.3087, 0.3289,  
0.3327

59.7527, 0.2252,  
0.3200

86.7639, 0.3288,  
0.3335

59.0001, 0.2227,  
0.3189

87.2211, 0.3287,  
0.3343

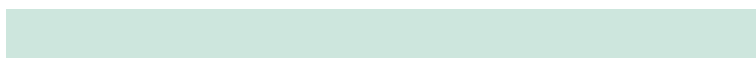
58.5892, 0.2217,  
0.3181

87.6804, 0.3286,  
0.3351

# Harmonies

## Analogous

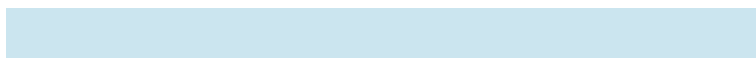
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7807, 0.3013, 0.3386



74.7807, 0.2929, 0.3278



74.7807, 0.2898, 0.3176

# Triad

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



74.7807, 0.2929, 0.3278



74.7807, 0.3123, 0.3121



74.7807, 0.3331, 0.3472

# Complementary

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



74.7807, 0.2929, 0.3278



63.4884, 0.3362, 0.3302

# 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.



74.7807, 0.3362, 0.3398



74.7807, 0.2929, 0.3278



74.7807, 0.3241, 0.3197

# Square

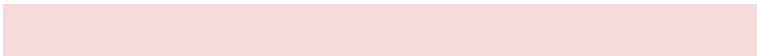
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.7807, 0.2929, 0.3278



74.7807, 0.3008, 0.3088



74.7807, 0.3329, 0.3297



74.7807, 0.3245, 0.3499



# Rectangle

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



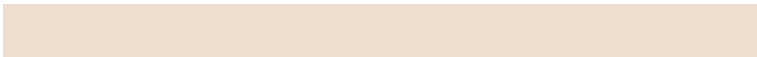
74.7807, 0.2929, 0.3278



74.7807, 0.2910, 0.3125



74.7807, 0.3329, 0.3297



74.7807, 0.3348, 0.3452

# Sweetspot

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



74.7838, 0.2929, 0.3278



97.8930, 0.3065, 0.3286



73.8547, 0.3105, 0.3620



20.8708, 0.3053, 0.3286



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.



74.7838, 0.2929, 0.3278



92.1746, 0.2883, 0.3275



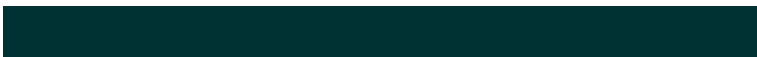
66.8131, 0.2925, 0.3110



16.2469, 0.2982, 0.3281



32.8780, 0.2217, 0.3183



2.4563, 0.2222, 0.3199



# Inverse Universe

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



64.4997, 0.3149, 0.2981



76.5844, 0.3155, 0.2906



70.8547, 0.3341, 0.3464



14.6062, 0.3143, 0.3066



12.5168, 0.3297, 0.1590

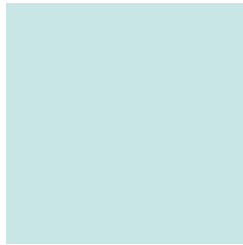


0.9276, 0.3283, 0.1582



# Previews

## White Background



This preview shows how the Yxy color 74.7807, 0.2929, 0.3278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

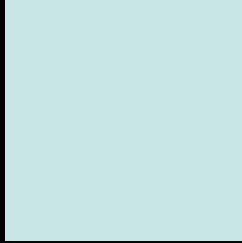
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7807, 0.2929, 0.3278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

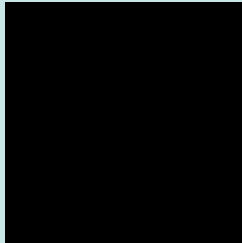
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

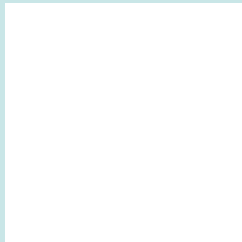
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.7807, 0.2929, 0.3278**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7807, 0.2929, 0.3278.

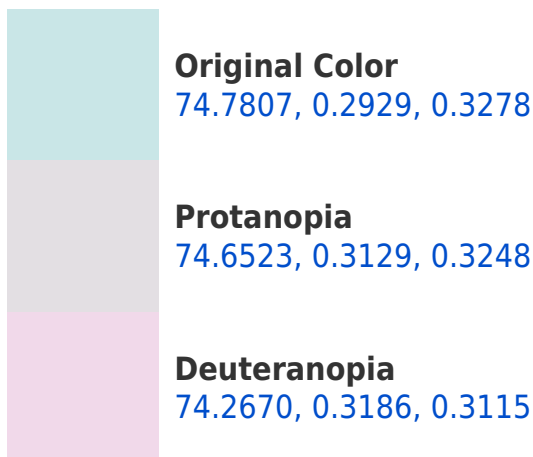


This preview shows how white text looks on a background with the Yxy color 74.7807, 0.2929, 0.3278.

# 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

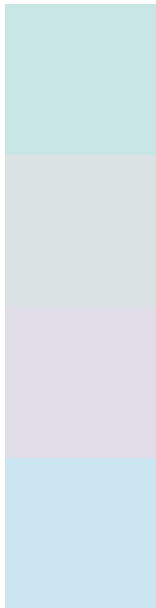




## Tritanopia

74.9780, 0.2860, 0.3095

# Trichromacy



**Original Color**

74.7807, 0.2929, 0.3278

**Protanomaly**

74.8996, 0.3059, 0.3268

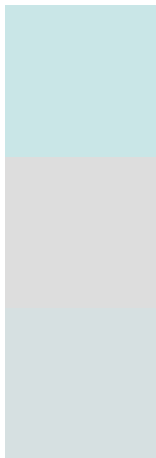
**Deuteranomaly**

74.2945, 0.3084, 0.3173

**Tritanomaly**

75.0860, 0.2883, 0.3159

# Monochromacy



**Original Color**

74.7807, 0.2929, 0.3278

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

73.0437, 0.3051, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7807, 0.2929, 0.3278 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(201, 230, 231)` looks like.

```
.text, #text, p{  
    color:rgb(201, 230, 231)  
}
```

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(201, 230, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 230, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7807, 0.2929, 0.3278 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(201, 230, 231) }
```

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

```
.border{ border-color:rgb(201, 230, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 230, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 230, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 230, 231);  
box-shadow:4px 4px 4px 4px rgb(201, 230,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7807, 0.2929, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 230, 231) }
```

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

```
.background{ background-color: rgb(201,  
230, 231) }
```

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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