

# Converting Colors

Yxy(78.6644, 0.2801, 0.3215)

Have a look what the booklet for  
Yxy(78.6644, 0.2801, 0.3215)  
contains.

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# Color

**Yxy(78.8872, 0.2805, 0.3223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0EEF4
RGB	192, 238, 244
RGB Percent	75%, 93%, 96%
CMY	0.2468, 0.0667, 0.0430
CMYK	0.21, 0.02, 0.00, 0.04
HSL	187°, 70%, 86%
HSV	187°, 21%, 96%
XYZ	68.6561, 78.8872, 97.2200
YIQ	224.9300, -29.3420, -7.8860

# Conversions

## Conversions Part 2

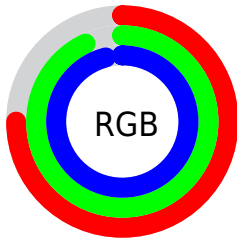
Format	Color
R <sub>Y</sub> B	192, 216, 244
Decimal	12644084
CIE Lab	91.18, -13.37, -7.79
CIE LCh	91, 15.475, 210.221
Yxy	78.8872, 0.2805, 0.3223
Android (android.graphics.Color)	4290834164 (0xFFC0EEF4)
YUV	224.9300, 9.4015, -28.8796
Hunter-Lab	88.8185, -17.4530, -2.7254

# Details

The Yxy color **78.8872, 0.2805, 0.3223** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4816, 0.3545, 0.3356**, and the grayscale version is **75.1995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **42.4051, 0.2729, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **74.3243, 0.2666, 0.3188**, and if you desaturate by 10%, it is **84.0107, 0.2953, 0.3256**.

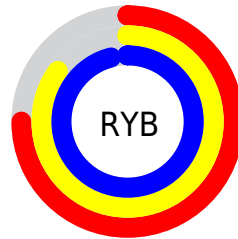
# Distribution



Red (75%)

Green (93%)

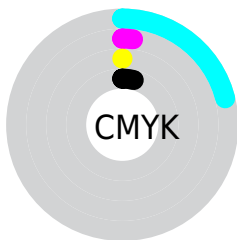
Blue (96%)



Red (75%)

Yellow (85%)

Blue (96%)

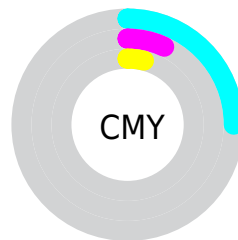


Cyan (21%)

Magenta (2%)

Yellow (0%)

Black (4%)



Cyan (25%)

Magenta (7%)


Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8872, 0.2805, 0.3223 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 78.8872, 0.2805, 0.3223 by changing the saturation by 10% instead.




 78.8872, 0.2805,  
0.3223

 78.8872, 0.2805,  
0.3223

491.1747, 0.2951,  
0.3256

 58.8031, 0.2773,  
0.3215


 131.8000, 0.2855,  
0.3235

 42.4546, 0.2733,  
0.3206


165.3976, 0.2874,  
0.3239

 29.4574, 0.2683,  
0.3193


204.2683, 0.2891,  
0.3243

 19.4271, 0.2620,  
0.3176

248.7967, 0.2906,  
0.3246

 11.9793, 0.2535,  
0.3153

299.3672, 0.2919,  
0.3249

 6.7296, 0.2416,  
0.3118

356.3640, 0.2931,

 3.2936, 0.2240,

0.3251

420.1717, 0.2941,  
0.3254

0.3060

1.2869, 0.1951,  
0.2952

0.1310, 0.0000,  
0.1601

78.8872, 0.2805,  
0.3223

78.8872, 0.2805,  
0.3223

74.3243, 0.2666,  
0.3188

84.0107, 0.2953,  
0.3256

70.2863, 0.2539,  
0.3150

89.7096, 0.3107,  
0.3286

66.7481, 0.2427,  
0.3111

94.0101, 0.3197,  
0.3314

63.6785, 0.2332,  
0.3070

95.7539, 0.3195,  
0.3341

61.0428, 0.2256,  
0.3029

97.5243, 0.3193,  
0.3368

58.8010, 0.2200,  
0.2988

99.3136, 0.3191,  
0.3395

56.9052, 0.2163,  
0.2948

55.4711, 0.2143,  
0.2913

# Harmonies

## Analogous

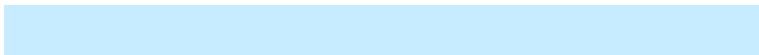
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8872, 0.2911, 0.3392



78.8872, 0.2805, 0.3223



78.8872, 0.2783, 0.3079

# Triad

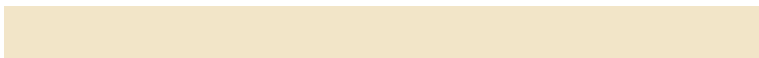
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8872, 0.2805, 0.3223



78.8872, 0.3171, 0.3062



78.8872, 0.3408, 0.3587

# Complementary

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



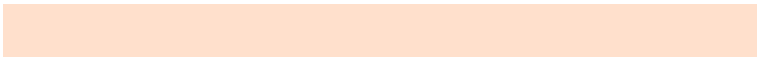
78.8872, 0.2805, 0.3223



63.4816, 0.3545, 0.3356

# 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.



78.8872, 0.3483, 0.3488



78.8872, 0.2805, 0.3223



78.8872, 0.3345, 0.3188

# Square

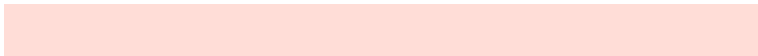
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8872, 0.2805, 0.3223



78.8872, 0.2990, 0.2992



78.8872, 0.3460, 0.3342



78.8872, 0.3258, 0.3607

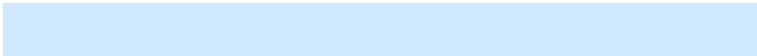


# Rectangle

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



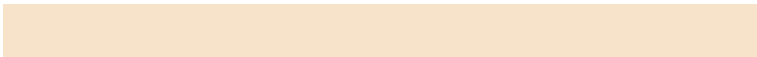
78.8872, 0.2805, 0.3223



78.8872, 0.2818, 0.3016



78.8872, 0.3460, 0.3342



78.8872, 0.3443, 0.3562

# Sweetspot

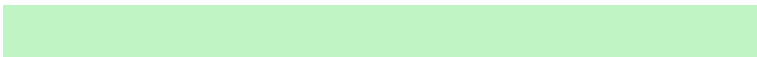
The Sweet Spot groups the original color and five complimentary colors.



78.8904, 0.2805, 0.3223



96.0831, 0.3034, 0.3272



79.9775, 0.3069, 0.3823



20.4775, 0.3024, 0.3270



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

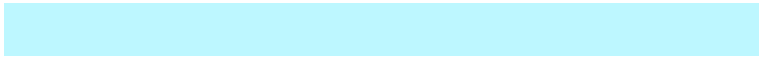


# Same Dimension

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



78.8904, 0.2805, 0.3223



84.7006, 0.2737, 0.3206



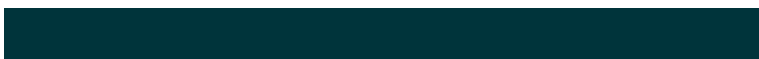
65.2598, 0.2785, 0.2939



18.4095, 0.2981, 0.3262



30.2846, 0.2144, 0.2919



2.7531, 0.2158, 0.2970



# Inverse Universe

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



63.1363, 0.3196, 0.2818



64.2597, 0.3214, 0.2710



75.9521, 0.3491, 0.3618



16.7332, 0.3156, 0.3083



13.1566, 0.3526, 0.1716

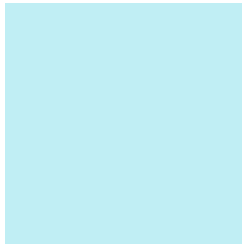


1.1656, 0.3481, 0.1691



# Previews

## White Background



This preview shows how the Yxy color 78.8872, 0.2805, 0.3223 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

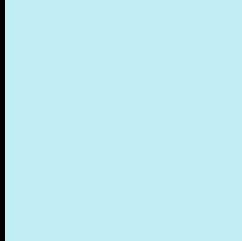
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.8872, 0.2805, 0.3223 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

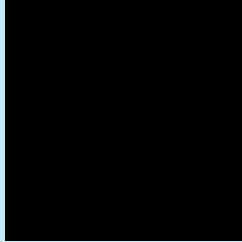
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.8872, 0.2805, 0.3223**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.8872, 0.2805, 0.3223.

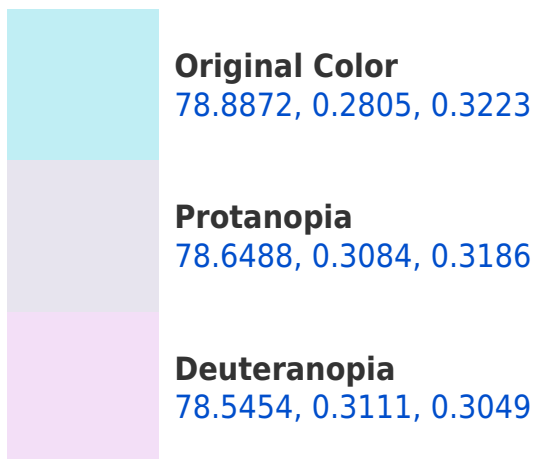


This preview shows how white text looks on a background with the Yxy color 78.8872, 0.2805, 0.3223.

# 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

78.6802, 0.2756, 0.3085

# Trichromacy



## Original Color

78.8872, 0.2805, 0.3223

## Protanomaly

78.7562, 0.2979, 0.3205

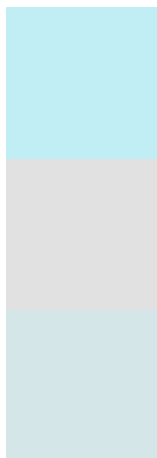
## Deuteranomaly

77.9879, 0.2988, 0.3102

## Tritanomaly

78.8709, 0.2772, 0.3138

# Monochromacy



## Original Color

78.8872, 0.2805, 0.3223

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

76.5660, 0.3001, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.8872, 0.2805, 0.3223 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(192, 238, 244)` looks like.

```
.text, #text, p{  
    color:rgb(192, 238, 244)  
}
```

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(192, 238, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 238, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 78.8872, 0.2805, 0.3223 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(192, 238, 244) }
```

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

```
.border{ border-color:rgb(192, 238, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 238, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 238, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 238, 244);  
box-shadow:4px 4px 4px 4px rgb(192, 238,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.8872, 0.2805, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 238, 244) }
```

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

```
.background{ background-color: rgb(192,  
238, 244) }
```

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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