

# Converting Colors

$Y_{xy}(72.2230, 0.2983, 0.3365)$

Have a look what the booklet for  
Yxy(72.2230, 0.2983, 0.3365)  
contains.

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# Color

**Yxy(72.2476, 0.2981, 0.3369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E3DC
RGB	199, 227, 220
RGB Percent	78%, 89%, 86%
CMY	0.2198, 0.1097, 0.1373
CMYK	0.12, 0.00, 0.03, 0.11
HSL	165°, 33%, 84%
HSV	165°, 12%, 89%
XYZ	63.9270, 72.2476, 78.2736
YIQ	217.8300, -14.4410, -8.1130

# Conversions

## Conversions Part 2

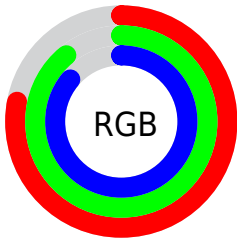
<b>Format</b>	<b>Color</b>
<b>RYB</b>	199, 215, 227
Decimal	13099996
CIELab	88.09, -10.58, 0.30
CIELCh	88, 10.579, 178.384
Yxy	72.2476, 0.2981, 0.3369
Android (android.graphics.Color)	4291290076 (0xFFC7E3DC)
YUV	217.8300, 1.0698, -16.5139
Hunter-Lab	84.9986, -14.4986, 4.9000

# Details

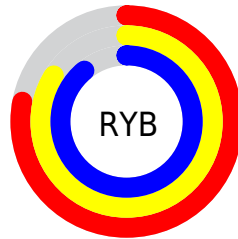
The Yxy color **72.2476, 0.2981, 0.3369** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.6102, 0.3297, 0.3212**, and the grayscale version is **69.9824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.2414, 0.2948, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **69.0781, 0.2869, 0.3440**, and if you desaturate by 10%, it is **75.8966, 0.3099, 0.3304**.

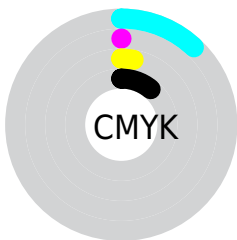
# Distribution



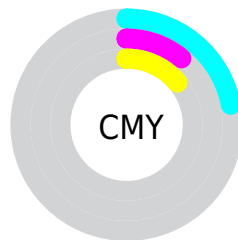
- Red (78%)
- Green (89%)
- Blue (86%)



- Red (78%)
- Yellow (84%)
- Blue (89%)



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (22%)
- Magenta (11%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2476, 0.2981, 0.3369 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 72.2476, 0.2981, 0.3369 by changing the saturation by 10% instead.



■ 72.2476, 0.2981,  
0.3369

■ 72.2476, 0.2981,  
0.3369

468.4029, 0.3049,  
0.3332

■ 53.3610, 0.2965,  
0.3377

122.4085, 0.3005,  
0.3356

■ 38.0910, 0.2946,  
0.3388

154.4515, 0.3014,  
0.3351

■ 26.0533, 0.2922,  
0.3401

191.6488, 0.3022,  
0.3347

■ 16.8635, 0.2890,  
0.3418

234.3848, 0.3028,  
0.3343

■ 10.1372, 0.2846,  
0.3442

283.0438, 0.3034,  
0.3340

■ 5.4901, 0.2783,  
0.3476


338.0102, 0.3040,

■ 2.5376, 0.2682,


0.3337


0.3531


399.6685, 0.3045,  
0.3335

 0.8954, 0.2427,  
0.3666


 0.0000, 0.0000,  
0.0000


 72.2476, 0.2981,  
0.3369


 72.2476, 0.2981,  
0.3369


 69.0781, 0.2869,  
0.3440


 75.8966, 0.3099,  
0.3304


 66.3586, 0.2766,  
0.3517


 80.0353, 0.3220,  
0.3246

 64.0698, 0.2674,  
0.3600

 82.3275, 0.3257,  
0.3191

 62.1879, 0.2596,  
0.3688


 82.6655, 0.3219,  
0.3136


 60.6866, 0.2536,  
0.3779

 83.0142, 0.3182,  
0.3081

 59.5363, 0.2495,  
0.3873

 83.3736, 0.3145,  
0.3027

 58.7031, 0.2474,  
0.3967

 83.4299, 0.3140,  
0.3019

 58.1462, 0.2472,  
0.4061

 57.8567, 0.2481,  
0.4132

# Harmonies

## Analogous

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



72.2476, 0.3100, 0.3466



72.2476, 0.2981, 0.3369



72.2476, 0.2902, 0.3252

# Triad

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



72.2476, 0.2981, 0.3369



72.2476, 0.3024, 0.3077



72.2476, 0.3378, 0.3426

# Complementary

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



72.2476, 0.2981, 0.3369



61.6102, 0.3297, 0.3212

# 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.



72.2476, 0.3358, 0.3321



72.2476, 0.2981, 0.3369



72.2476, 0.3151, 0.3123

# Square

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



72.2476, 0.2981, 0.3369



72.2476, 0.2926, 0.3085



72.2476, 0.3274, 0.3212



72.2476, 0.3330, 0.3497



# Rectangle

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



72.2476, 0.2981, 0.3369



72.2476, 0.2882, 0.3179



72.2476, 0.3274, 0.3212



72.2476, 0.3379, 0.3393

# Sweetspot

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



72.2506, 0.2981, 0.3369



97.9529, 0.3079, 0.3315



72.2543, 0.3164, 0.3609



20.8860, 0.3070, 0.3319



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

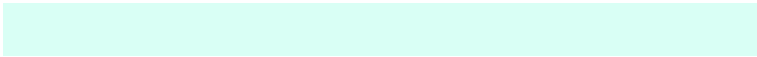


# Same Dimension

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



72.2506, 0.2981, 0.3369



92.8513, 0.2950, 0.3388



69.1149, 0.2937, 0.3216



16.2714, 0.3015, 0.3350



33.7547, 0.2477, 0.4118



2.5090, 0.2439, 0.3982



# Inverse Universe

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



61.6102, 0.3297, 0.3212



76.2664, 0.3341, 0.3195



64.3548, 0.3342, 0.3363



14.4270, 0.3253, 0.3231



9.7117, 0.5922, 0.3036

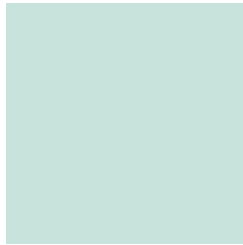


0.7323, 0.5508, 0.2808



# Previews

## White Background



This preview shows how the Yxy color 72.2476, 0.2981, 0.3369 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

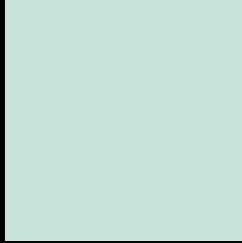
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2476, 0.2981, 0.3369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

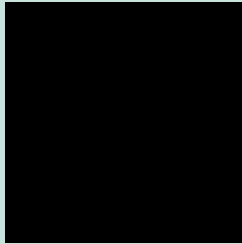
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

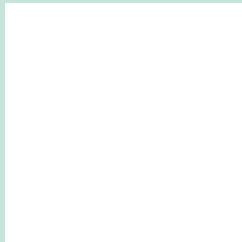
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.2476, 0.2981, 0.3369**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2476, 0.2981, 0.3369.

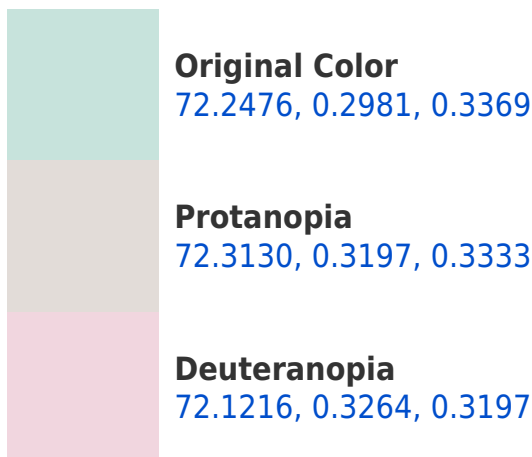


This preview shows how white text looks on a background with the Yxy color 72.2476, 0.2981, 0.3369.

# 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

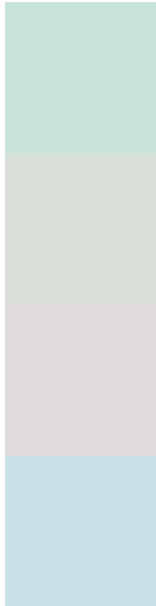




## Tritanopia

72.4186, 0.2875, 0.3093

# Trichromacy



## Original Color

72.2476, 0.2981, 0.3369

## Protanomaly

72.3840, 0.3117, 0.3356

## Deuteranomaly

72.1057, 0.3157, 0.3258

## Tritanomaly

72.3475, 0.2916, 0.3190

# Monochromacy



## Original Color

72.2476, 0.2981, 0.3369

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.6763, 0.3070, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  72.2476, 0.2981, 0.3369 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(199, 227, 220)` looks like.

```
.text, #text, p{  
    color:rgb(199, 227, 220)  
}
```

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(199, 227, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 227, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2476, 0.2981, 0.3369 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(199, 227, 220) }
```

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

```
.border{ border-color:rgb(199, 227, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 227, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 227, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 227, 220); box-shadow:4px 4px 4px 4px rgb(199, 227, 220) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.2476, 0.2981, 0.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 227, 220) }
```

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

```
.background{ background-color: rgb(199,  
227, 220) }
```

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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