

# Converting Colors

$Yxy(72.0137, 0.2977, 0.3364)$

Have a look what the booklet for  
Yxy(72.0137, 0.2977, 0.3364)  
contains.

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# Color

**Yxy(72.1112, 0.2975, 0.3369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6E3DC
RGB	198, 227, 220
RGB Percent	78%, 89%, 86%
CMY	0.2234, 0.1098, 0.1374
CMYK	0.13, 0.00, 0.03, 0.11
HSL	165°, 34%, 83%
HSV	165°, 13%, 89%
XYZ	63.6779, 72.1112, 78.2542
YIQ	217.5310, -15.0370, -8.3250

# Conversions

## Conversions Part 2

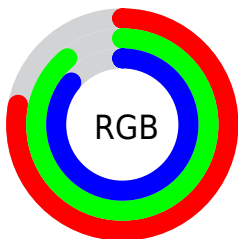
<b>Format</b>	<b>Color</b>
<b>RYB</b>	198, 214, 227
Decimal	13034460
CIELab	88.02, -10.86, 0.20
CIELCh	88, 10.864, 178.944
Yxy	72.1112, 0.2975, 0.3369
Android (android.graphics.Color)	4291224540 (0xFFC6E3DC)
YUV	217.5310, 1.2172, -17.1287
Hunter-Lab	84.9183, -14.7548, 4.8057

# Details

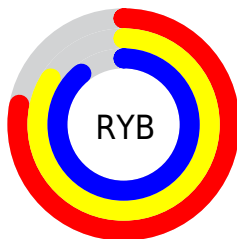
The Yxy color **72.1112, 0.2975, 0.3369** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.1414, 0.3305, 0.3213**, and the grayscale version is **69.7741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.1510, 0.2940, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **68.9698, 0.2862, 0.3438**, and if you desaturate by 10%, it is **75.7306, 0.3094, 0.3306**.

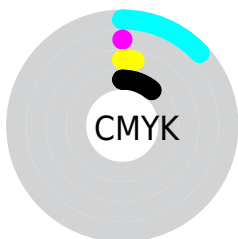
# Distribution



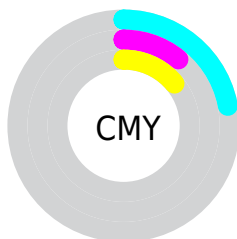
- Red (78%)
- Green (89%)
- Blue (86%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1112, 0.2975, 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 72.1112, 0.2975, 0.3369 by changing the saturation by 10% instead.



 72.1112, 0.2975,  
0.3369

 72.1112, 0.2975,  
0.3369

467.9286, 0.3046,  
0.3332

 53.2495, 0.2959,  
0.3377


122.2146, 0.3000,  
0.3356

 38.0020, 0.2939,  
0.3388


154.2251, 0.3009,  
0.3351

 25.9842, 0.2913,  
0.3401


191.3874, 0.3017,  
0.3347

 16.8119, 0.2880,  
0.3418

234.0858, 0.3024,  
0.3343

 10.1004, 0.2835,  
0.3442

282.7047, 0.3031,  
0.3340

 5.4656, 0.2769,  
0.3476

337.6285, 0.3036,

 2.5230, 0.2664,

0.3337

0.3531

399.2417, 0.3041,  
0.3335

0.8881, 0.2392,  
0.3670

0.0000, 0.0000,  
0.0000

72.1112, 0.2975,  
0.3369

72.1112, 0.2975,  
0.3369

68.9698, 0.2862,  
0.3438

75.7306, 0.3094,  
0.3306

66.2766, 0.2758,  
0.3513


79.8382, 0.3216,  
0.3250


64.0127, 0.2666,  
0.3593

82.2836, 0.3260,  
0.3197


62.1539, 0.2589,  
0.3678


82.6094, 0.3224,  
0.3143


 60.6739, 0.2529,  
0.3766


 82.9452, 0.3188,  
0.3090


 59.5430, 0.2488,  
0.3856

 83.2910, 0.3153,  
0.3038

 58.7271, 0.2467,  
0.3947

 83.4190, 0.3140,  
0.3019

 58.1850, 0.2465,  
0.4038

 57.9157, 0.2473,  
0.4102

# Harmonies

## Analogous

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



72.1112, 0.3096, 0.3469



72.1112, 0.2975, 0.3369



72.1112, 0.2895, 0.3248

# Triad

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



72.1112, 0.2975, 0.3369



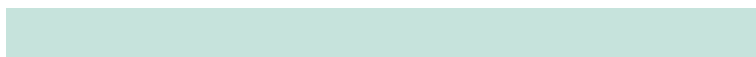
72.1112, 0.3023, 0.3072



72.1112, 0.3385, 0.3431

# Complementary

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



72.1112, 0.2975, 0.3369



61.1414, 0.3305, 0.3213

# 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.



72.1112, 0.3365, 0.3324



72.1112, 0.2975, 0.3369



72.1112, 0.3154, 0.3120

# Square

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



72.1112, 0.2975, 0.3369



72.1112, 0.2922, 0.3079



72.1112, 0.3280, 0.3212



72.1112, 0.3334, 0.3503



# Rectangle

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



72.1112, 0.2975, 0.3369



72.1112, 0.2875, 0.3174



72.1112, 0.3280, 0.3212



72.1112, 0.3386, 0.3398

# Sweetspot

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



72.1142, 0.2975, 0.3369



97.9582, 0.3078, 0.3314



72.0349, 0.3162, 0.3620



20.8874, 0.3069, 0.3318



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

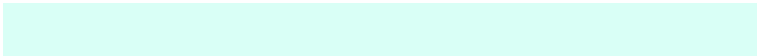


# Same Dimension

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



72.1142, 0.2975, 0.3369



92.8703, 0.2948, 0.3385



68.6146, 0.2931, 0.3208



16.2735, 0.3014, 0.3348



33.7954, 0.2469, 0.4089



2.5117, 0.2433, 0.3957



# Inverse Universe

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



61.1414, 0.3305, 0.3213



76.2493, 0.3343, 0.3198



64.2014, 0.3349, 0.3371



14.4250, 0.3254, 0.3233



9.7008, 0.5947, 0.3050

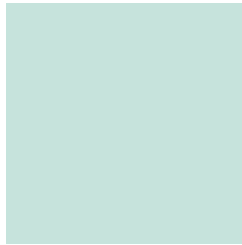


0.7313, 0.5535, 0.2823



# Previews

## White Background



This preview shows how the Yxy color 72.1112, 0.2975, 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 72.1112, 0.2975, 0.3369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

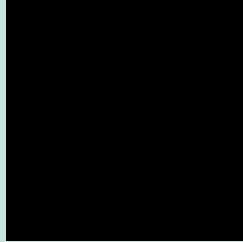
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

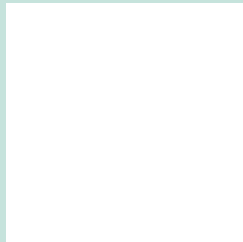
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.1112, 0.2975, 0.3369**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.1112, 0.2975, 0.3369.

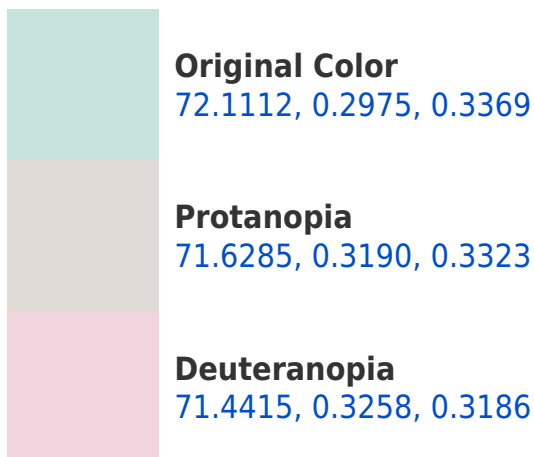


This preview shows how white text looks on a background with the Yxy color 72.1112, 0.2975, 0.3369.

# 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

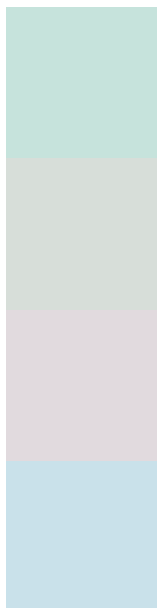




## Tritanopia

72.2787, 0.2868, 0.3092

# Trichromacy



## Original Color

72.1112, 0.2975, 0.3369

## Protanomaly

71.6994, 0.3110, 0.3345

## Deuteranomaly

71.4243, 0.3151, 0.3247

## Tritanomaly

72.2084, 0.2909, 0.3190

# Monochromacy



## Original Color

72.1112, 0.2975, 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 72.1112, 0.2975, 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(198, 227, 220)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 227, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 227, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1112, 0.2975, 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(198, 227, 220) }
```

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

```
.border{ border-color:rgb(198, 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(198, 227, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 227, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 227, 220);  
box-shadow:4px 4px 4px 4px rgb(198, 227,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1112, 0.2975, 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(198, 227, 220) }
```

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

```
.background{ background-color: rgb(198,  
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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