

# Converting Colors

$Yxy(72.3186, 0.2904, 0.3264)$

Have a look what the booklet for  
Yxy(72.3186, 0.2904, 0.3264)  
contains.

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# Color

**Yxy(72.3311, 0.2908, 0.3267)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4E3E5
RGB	196, 227, 229
RGB Percent	77%, 89%, 90%
CMY	0.2312, 0.1098, 0.1020
CMYK	0.14, 0.01, 0.00, 0.10
HSL	184°, 39%, 83%
HSV	184°, 14%, 90%
XYZ	64.3829, 72.3311, 84.6852
YIQ	217.9590, -19.1180, -5.9500

# Conversions

## Conversions Part 2

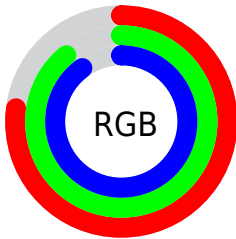
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 212, 229
Decimal	12903397
CIE <sub>Lab</sub>	88.13, -9.71, -4.40
CIE <sub>LCh</sub>	88, 10.658, 204.363
Yxy	72.3311, 0.2908, 0.3267
Android (android.graphics.Color)	4291093477 (0xFFC4E3E5)
YUV	217.9590, 5.4432, -19.2580
Hunter-Lab	85.0477, -13.7053, 0.4961

# Details

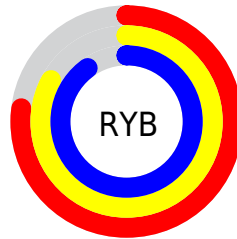
The Yxy color **72.3311, 0.2908, 0.3267** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.0456, 0.3391, 0.3313**, and the grayscale version is **70.0588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **38.3118, 0.2854, 0.3260** is the 20% darker color. If you saturate the color by 10%, you get **68.7400, 0.2765, 0.3249**, and if you desaturate by 10%, it is **76.4030, 0.3059, 0.3283**.

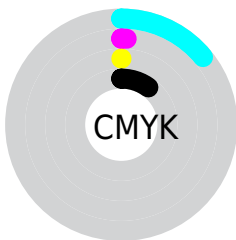
# Distribution



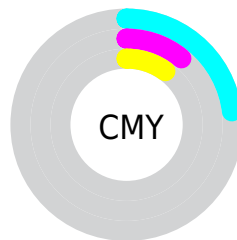
- Red (77%)
- Green (89%)
- Blue (90%)



- Red (77%)
- Yellow (83%)
- Blue (90%)



- Cyan (14%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)



- Cyan (23%)
- Magenta (11%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3311, 0.2908, 0.3267 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 72.3311, 0.2908, 0.3267 by changing the saturation by 10% instead.



■ 72.3311, 0.2908,  
0.3267

■ 72.3311, 0.2908,  
0.3267

■ 468.6932, 0.3009,  
0.3279

■ 53.4292, 0.2885,  
0.3264

■ 122.5272, 0.2943,  
0.3271

■ 38.1455, 0.2857,  
0.3260

■ 154.5901, 0.2957,  
0.3273

■ 26.0956, 0.2821,  
0.3256

■ 191.8088, 0.2968,  
0.3274

■ 16.8952, 0.2774,  
0.3249

■ 234.5677, 0.2979,  
0.3275

■ 10.1598, 0.2711,  
0.3240

■ 283.2512, 0.2988,  
0.3276

■ 5.5050, 0.2619,  
0.3225

■ 338.2437, 0.2996,

■ 2.5465, 0.2477,

0.3277

0.3199

399.9296, 0.3003,  
0.3278

0.8999, 0.2175,  
0.3166

0.0000, 0.0000,  
0.0000

72.3311, 0.2908,  
0.3267

72.3311, 0.2908,  
0.3267

68.7400, 0.2765,  
0.3249

76.4030, 0.3059,  
0.3283

65.5994, 0.2634,  
0.3231

80.9664, 0.3215,  
0.3298


62.8896, 0.2517,  
0.3211


84.1491, 0.3306,  
0.3312

60.5856, 0.2417,  
0.3191


84.9268, 0.3304,  
0.3326


 58.6603, 0.2335,  
0.3170


 85.7107, 0.3303,  
0.3339

 57.0826, 0.2272,  
0.3150

 86.5006, 0.3301,  
0.3353

 55.8169, 0.2229,  
0.3129

 87.2968, 0.3300,  
0.3366

 54.8195, 0.2203,  
0.3109

 88.0991, 0.3298,  
0.3380

 54.3384, 0.2194,  
0.3098

 88.9076, 0.3297,  
0.3393

# Harmonies

## Analogous

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



72.3311, 0.2994, 0.3385



72.3311, 0.2908, 0.3267



72.3311, 0.2879, 0.3159

# Triad

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



72.3311, 0.2908, 0.3267



72.3311, 0.3133, 0.3113



72.3311, 0.3342, 0.3491

# Complementary

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



72.3311, 0.2908, 0.3267



61.0456, 0.3391, 0.3313

# 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.



72.3311, 0.3381, 0.3414



72.3311, 0.2908, 0.3267



72.3311, 0.3260, 0.3197

# Square

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



72.3311, 0.2908, 0.3267



72.3311, 0.3008, 0.3073



72.3311, 0.3351, 0.3307



72.3311, 0.3244, 0.3516



# Rectangle

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



72.3311, 0.2908, 0.3267



72.3311, 0.2897, 0.3107



72.3311, 0.3351, 0.3307



72.3311, 0.3362, 0.3471

# Sweetspot

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



72.3341, 0.2908, 0.3267



97.7242, 0.3065, 0.3284



71.8351, 0.3099, 0.3652



20.8278, 0.3053, 0.3283



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

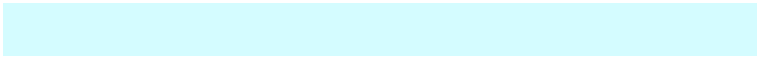


# Same Dimension

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



72.3341, 0.2908, 0.3267



91.0264, 0.2868, 0.3262



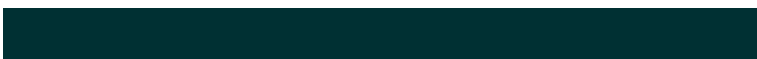
63.9201, 0.2902, 0.3082



16.1794, 0.2982, 0.3275



31.1372, 0.2195, 0.3101



2.3464, 0.2203, 0.3130



# Inverse Universe

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



61.7004, 0.3158, 0.2956



75.2247, 0.3165, 0.2892



68.8179, 0.3365, 0.3489



14.5994, 0.3147, 0.3072



12.3410, 0.3366, 0.1628

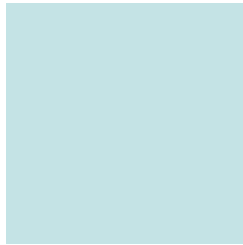


0.9166, 0.3341, 0.1614



# Previews

## White Background



This preview shows how the Yxy color 72.3311, 0.2908, 0.3267 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

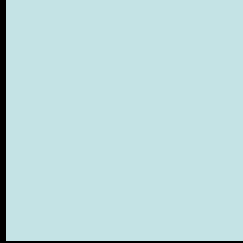
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3311, 0.2908, 0.3267 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

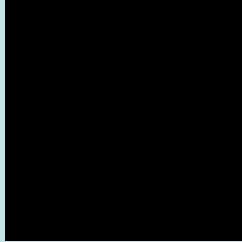
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

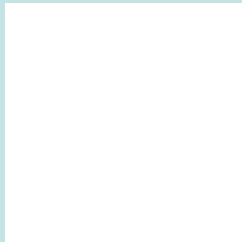
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.3311, 0.2908, 0.3267**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3311, 0.2908, 0.3267.

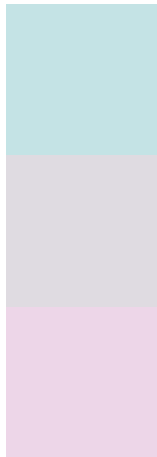


This preview shows how white text looks on a background with the Yxy color 72.3311, 0.2908, 0.3267.

# 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



### Original Color

72.3311, 0.2908, 0.3267

### Protanopia

71.7873, 0.3116, 0.3225

### Deuteranopia

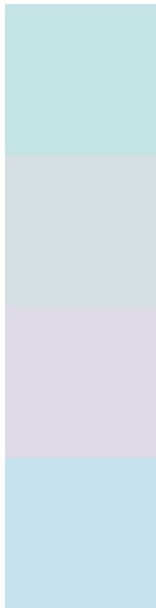
71.9239, 0.3172, 0.3103



## Tritanopia

72.4636, 0.2844, 0.3092

# Trichromacy



## Original Color

72.3311, 0.2908, 0.3267

## Protanomaly

71.8797, 0.3039, 0.3246

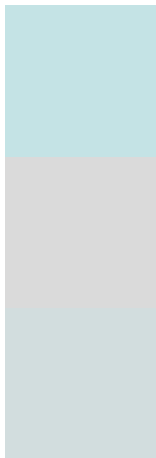
## Deuteranomaly

71.9622, 0.3070, 0.3161

## Tritanomaly

72.5715, 0.2867, 0.3156

# Monochromacy



## Original Color

72.3311, 0.2908, 0.3267

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.6885, 0.3044, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3311, 0.2908, 0.3267 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(196, 227, 229)` looks like.

```
.text, #text, p{  
    color:rgb(196, 227, 229)  
}
```

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(196, 227, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 227, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3311, 0.2908, 0.3267 is called "border". The border property can be set on classes, ids or directly on the HTML element.

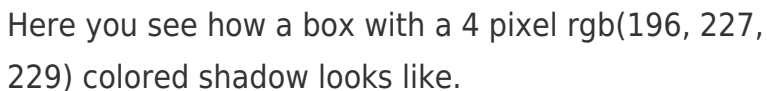
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 227, 229) }
```

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

```
.border{ border-color:rgb(196, 227, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 227, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 227, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 227, 229); box-shadow:4px 4px 4px 4px rgb(196, 227, 229) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3311, 0.2908, 0.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 227, 229) }
```

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

```
.background{ background-color: rgb(196,  
227, 229) }
```

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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