

# Converting Colors

$Yxy(71.3053, 0.2941, 0.3330)$

Have a look what the booklet for  
Yxy(71.3053, 0.2941, 0.3330)  
contains.

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# Color

**Yxy(71.2687, 0.2943, 0.3335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3E2DE
RGB	195, 226, 222
RGB Percent	76%, 89%, 87%
CMY	0.2352, 0.1137, 0.1295
CMYK	0.14, 0.00, 0.02, 0.11
HSL	172°, 35%, 83%
HSV	172°, 14%, 89%
XYZ	62.8917, 71.2687, 79.5389
YIQ	216.2750, -17.1920, -7.8160

# Conversions

## Conversions Part 2

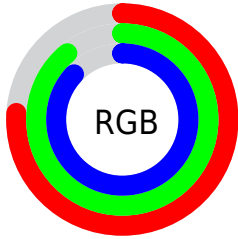
Format	Color
<b>RYB</b>	195, 212, 226
Decimal	12837598
CIELab	87.62, -10.92, -1.48
CIELCh	88, 11.017, 187.700
Yxy	71.2687, 0.2943, 0.3335
Android (android.graphics.Color)	4291027678 (0xFFC3E2DE)
YUV	216.2750, 2.8224, -18.6582
Hunter-Lab	84.4208, -14.7577, 3.2332

# Details

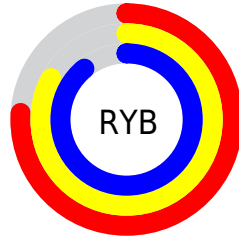
The Yxy color **71.2687, 0.2943, 0.3335** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.3400, 0.3347, 0.3246**, and the grayscale version is **68.8607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **37.5786, 0.2899, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **68.3293, 0.2817, 0.3372**, and if you desaturate by 10%, it is **74.6724, 0.3076, 0.3302**.

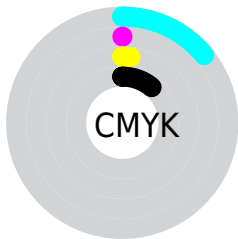
# Distribution



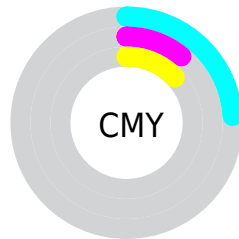
- Red (76%)
- Green (89%)
- Blue (87%)



- Red (76%)
- Yellow (83%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (24%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.2687, 0.2943, 0.3335 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 71.2687, 0.2943, 0.3335 by changing the saturation by 10% instead.



71.2687, 0.2943,  
0.3335

71.2687, 0.2943,  
0.3335

464.9922, 0.3028,  
0.3315

52.5615, 0.2923,  
0.3340

121.0162, 0.2973,  
0.3328

37.4528, 0.2899,  
0.3345

152.8254, 0.2984,  
0.3325

25.5583, 0.2869,  
0.3352

189.7706, 0.2994,  
0.3323

16.4935, 0.2828,  
0.3362

232.2364, 0.3003,  
0.3321

9.8740, 0.2774,  
0.3374

280.6070, 0.3010,  
0.3319

5.3155, 0.2694,  
0.3392

335.2669, 0.3017,

2.4336, 0.2568,

0.3317

396.6005, 0.3023,  
0.3316

0.3418

0.8431, 0.2228,  
0.3513

0.0000, 0.0000,  
0.0000

71.2687, 0.2943,  
0.3335

71.2687, 0.2943,  
0.3335

68.3293, 0.2817,  
0.3372

74.6724, 0.3076,  
0.3302

65.8248, 0.2702,  
0.3411


78.5507, 0.3215,  
0.3271


63.7363, 0.2601,  
0.3452

81.4081, 0.3300,  
0.3243


62.0399, 0.2516,  
0.3496

81.5747, 0.3280,  
0.3214

 60.7093, 0.2449,  
0.3541


 81.7441, 0.3260,  
0.3186

 59.7148, 0.2401,  
0.3586


 81.9162, 0.3241,  
0.3157


 59.0224, 0.2373,  
0.3632

 82.0912, 0.3222,  
0.3129

 58.5905, 0.2362,  
0.3677

 82.2690, 0.3202,  
0.3100

 58.4103, 0.2363,  
0.3706

 82.4496, 0.3183,  
0.3072

# Harmonies

## Analogous

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



71.2687, 0.3057, 0.3447



71.2687, 0.2943, 0.3335



71.2687, 0.2878, 0.3213

# Triad

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



71.2687, 0.2943, 0.3335



71.2687, 0.3059, 0.3077



71.2687, 0.3382, 0.3460

# Complementary

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



71.2687, 0.2943, 0.3335



59.3400, 0.3347, 0.3246

# 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.



71.2687, 0.3383, 0.3359



71.2687, 0.2943, 0.3335



71.2687, 0.3194, 0.3141

# Square

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



71.2687, 0.2943, 0.3335



71.2687, 0.2944, 0.3067



71.2687, 0.3314, 0.3243



71.2687, 0.3311, 0.3518



# Rectangle

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



71.2687, 0.2943, 0.3335



71.2687, 0.2871, 0.3143



71.2687, 0.3314, 0.3243



71.2687, 0.3390, 0.3430

# Sweetspot

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



71.2717, 0.2943, 0.3335



98.0317, 0.3072, 0.3303



70.4978, 0.3139, 0.3649



20.9060, 0.3062, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

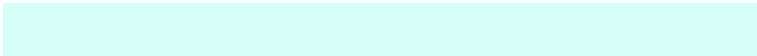


# Same Dimension

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



71.2717, 0.2943, 0.3335



92.7305, 0.2912, 0.3344



65.5179, 0.2915, 0.3159



15.5402, 0.2999, 0.3320



33.3363, 0.2361, 0.3699



2.3193, 0.2341, 0.3629



# Inverse Universe

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



59.3400, 0.3347, 0.3246



74.5945, 0.3393, 0.3237



64.4399, 0.3361, 0.3417



13.7293, 0.3272, 0.3260



9.2853, 0.6229, 0.3205

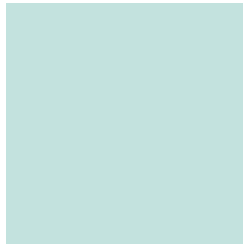


0.6531, 0.5882, 0.3014



# Previews

## White Background



This preview shows how the Yxy color 71.2687, 0.2943, 0.3335 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 71.2687, 0.2943, 0.3335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

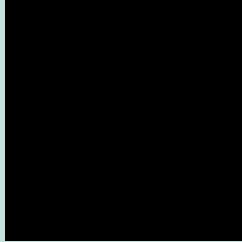
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

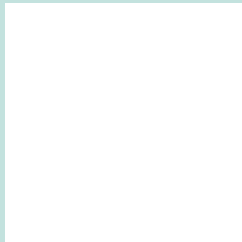
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.2687, 0.2943, 0.3335**

## Background



This preview shows how black text looks on a background with the Yxy color 71.2687, 0.2943, 0.3335.

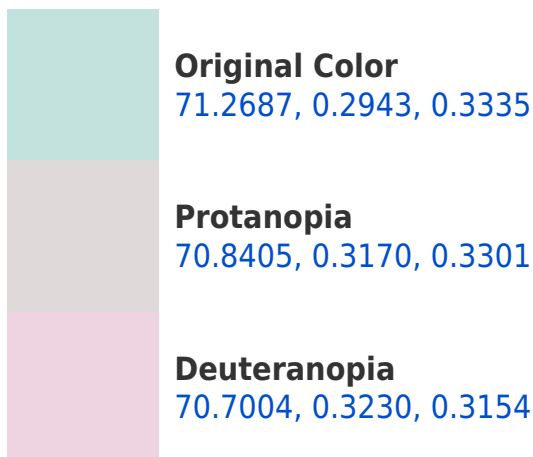


This preview shows how white text looks on a background with the Yxy color 71.2687, 0.2943, 0.3335.

# 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

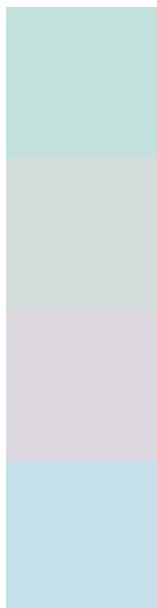




## Tritanopia

71.1320, 0.2848, 0.3090

# Trichromacy



## Original Color

71.2687, 0.2943, 0.3335

## Protanomaly

70.9735, 0.3084, 0.3312

## Deuteranomaly

70.5371, 0.3116, 0.3214

## Tritanomaly

71.1221, 0.2883, 0.3178

# Monochromacy



## Original Color

71.2687, 0.2943, 0.3335

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.6583, 0.3056, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.2687, 0.2943, 0.3335 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(195, 226, 222)` looks like.

```
.text, #text, p{  
    color:rgb(195, 226, 222)  
}
```

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(195, 226, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 226, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 71.2687, 0.2943, 0.3335 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(195, 226, 222) }
```

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

```
.border{ border-color:rgb(195, 226, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 226, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 226, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 226, 222);  
box-shadow:4px 4px 4px 4px rgb(195, 226,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.2687, 0.2943, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 226, 222) }
```

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

```
.background{ background-color: rgb(195,  
226, 222) }
```

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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