

# Converting Colors

$Yxy(70.7307, 0.2930, 0.3335)$

Have a look what the booklet for  
Yxy(70.7307, 0.2930, 0.3335)  
contains.

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# Color

**Yxy(71.0041, 0.2930, 0.3335)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1E2DE
RGB	193, 226, 222
RGB Percent	76%, 89%, 87%
CMY	0.2430, 0.1137, 0.1294
CMYK	0.15, 0.00, 0.02, 0.11
HSL	173°, 36%, 82%
HSV	173°, 15%, 89%
XYZ	62.3814, 71.0041, 79.5203
YIQ	215.6770, -18.3840, -8.2400

# Conversions

## Conversions Part 2

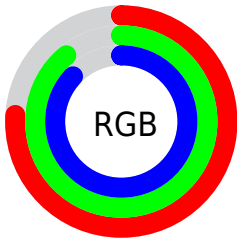
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 211, 226
Decimal	12706526
CIELab	87.49, -11.55, -1.68
CIElCh	87, 11.668, 188.296
Yxy	71.0041, 0.2930, 0.3335
Android (android.graphics.Color)	4290896606 (0xFFC1E2DE)
YUV	215.6770, 3.1172, -19.8877
Hunter-Lab	84.2639, -15.3166, 3.0325

# Details

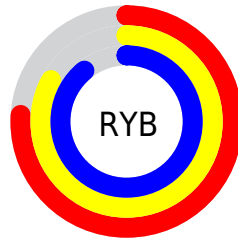
The Yxy color **71.0041, 0.2930, 0.3335** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.3620, 0.3366, 0.3246**, and the grayscale version is **68.4326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **37.4048, 0.2882, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **68.1135, 0.2804, 0.3369**, and if you desaturate by 10%, it is **74.3569, 0.3064, 0.3303**.

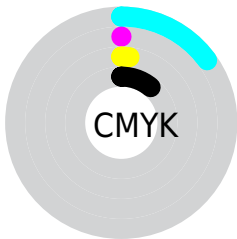
# Distribution



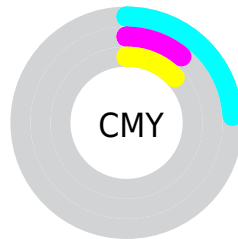
- Red (76%)
- Green (89%)
- Blue (87%)



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



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0041, 0.2930, 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 71.0041, 0.2930, 0.3335 by changing the saturation by 10% instead.




 71.0041, 0.2930,  
0.3335

 71.0041, 0.2930,  
0.3335


464.0678, 0.3021,  
0.3315

 52.3455, 0.2909,  
0.3340

 120.6396, 0.2962,  
0.3328

 37.2806, 0.2883,  
0.3345


152.3853, 0.2974,  
0.3325

 25.4248, 0.2850,  
0.3352


189.2621, 0.2985,  
0.3323

 16.3938, 0.2807,  
0.3361

231.6545, 0.2994,  
0.3321

 9.8033, 0.2748,  
0.3374

279.9469, 0.3002,  
0.3319

 5.2687, 0.2663,  
0.3391

334.5237, 0.3009,

 2.4058, 0.2529,

0.3317

0.3416

395.7691, 0.3016,  
0.3316

0.8289, 0.2147,  
0.3518

0.0000, 0.0000,  
0.0000

71.0041, 0.2930,  
0.3335

71.0041, 0.2930,  
0.3335

68.1135, 0.2804,  
0.3369

74.3569, 0.3064,  
0.3303

65.6557, 0.2690,  
0.3406

78.1822, 0.3203,  
0.3275

63.6116, 0.2589,  
0.3445

81.3755, 0.3303,  
0.3249


61.9569, 0.2504,  
0.3486


81.5310, 0.3285,  
0.3221

 60.6653, 0.2438,  
0.3528


 81.6890, 0.3267,  
0.3194

 59.7067, 0.2392,  
0.3571

 81.8494, 0.3248,  
0.3168


 59.0465, 0.2364,  
0.3613

 82.0123, 0.3230,  
0.3141

 58.6423, 0.2355,  
0.3655

 82.1776, 0.3212,  
0.3114

 58.4930, 0.2355,  
0.3678

 82.3455, 0.3194,  
0.3088

# Harmonies

## Analogous

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



71.0041, 0.3050, 0.3455



71.0041, 0.2930, 0.3335



71.0041, 0.2863, 0.3205

# Triad

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



71.0041, 0.2930, 0.3335



71.0041, 0.3057, 0.3065



71.0041, 0.3396, 0.3472

# Complementary

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



71.0041, 0.2930, 0.3335



58.3620, 0.3366, 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.



71.0041, 0.3399, 0.3365



71.0041, 0.2930, 0.3335



71.0041, 0.3201, 0.3134

# Square

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



71.0041, 0.2930, 0.3335



71.0041, 0.2935, 0.3053



71.0041, 0.3327, 0.3242



71.0041, 0.3320, 0.3533

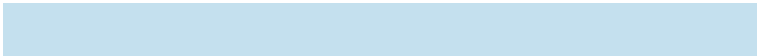


# Rectangle

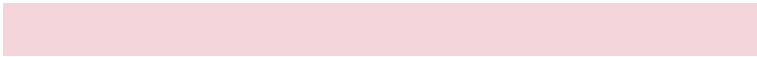
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.0041, 0.2930, 0.3335



71.0041, 0.2856, 0.3132



71.0041, 0.3327, 0.3242



71.0041, 0.3406, 0.3440

# Sweetspot

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



71.0071, 0.2930, 0.3335



98.0370, 0.3071, 0.3302



70.1719, 0.3140, 0.3674



20.9074, 0.3061, 0.3304



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

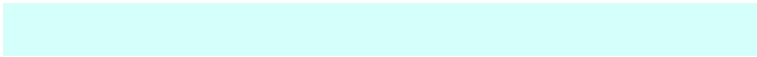


# Same Dimension

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



71.0071, 0.2930, 0.3335



92.3508, 0.2897, 0.3343



64.8839, 0.2901, 0.3150



15.5422, 0.2998, 0.3318



33.3840, 0.2353, 0.3671



2.3222, 0.2335, 0.3606



# Inverse Universe

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



58.3620, 0.3366, 0.3246



73.1773, 0.3416, 0.3238



63.7441, 0.3378, 0.3426



13.7275, 0.3273, 0.3262



9.2797, 0.6244, 0.3213

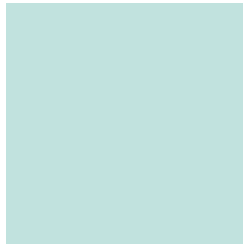


0.6523, 0.5912, 0.3030



# Previews

## White Background



This preview shows how the Yxy color 71.0041, 0.2930, 0.3335 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

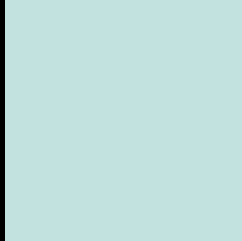
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.0041, 0.2930, 0.3335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

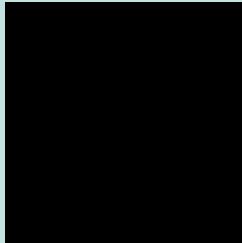
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

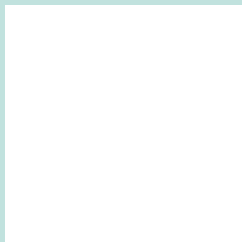
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.0041, 0.2930, 0.3335**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.0041, 0.2930, 0.3335.



This preview shows how white text looks on a background with the Yxy color 71.0041, 0.2930, 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

70.8620, 0.2835, 0.3090

# Trichromacy



## Original Color

71.0041, 0.2930, 0.3335

## Protanomaly

70.8244, 0.3077, 0.3312

## Deuteranomaly

70.3797, 0.3109, 0.3214

## Tritanomaly

70.8539, 0.2870, 0.3177

# Monochromacy



## Original Color

71.0041, 0.2930, 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 71.0041, 0.2930, 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(193, 226, 222)` looks like.

```
.text, #text, p{  
    color:rgb(193, 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(193, 226, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 226, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 71.0041, 0.2930, 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(193, 226, 222) }
```

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

```
.border{ border-color:rgb(193, 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(193, 226, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 226, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 226, 222);  
box-shadow:4px 4px 4px 4px rgb(193, 226,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.0041, 0.2930, 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(193, 226, 222) }
```

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

```
.background{ background-color: rgb(193,  
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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