

# Converting Colors

$Yxy(70.3708, 0.2892, 0.3333)$

Have a look what the booklet for  
Yxy(70.3708, 0.2892, 0.3333)  
contains.

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# Color

**Yxy(70.2314, 0.2891, 0.3335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBE2DE
RGB	187, 226, 222
RGB Percent	73%, 89%, 87%
CMY	0.2666, 0.1137, 0.1293
CMYK	0.17, 0.00, 0.02, 0.11
HSL	174°, 40%, 81%
HSV	174°, 17%, 89%
XYZ	60.8813, 70.2314, 79.4763
YIQ	213.8830, -21.9600, -9.5120

# Conversions

## Conversions Part 2

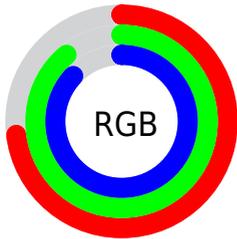
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 208, 226
Decimal	12313310
CIELab	87.11, -13.43, -2.30
CIELCh	87, 13.628, 189.715
Yxy	70.2314, 0.2891, 0.3335
Android (android.graphics.Color)	4290503390 (0xFFBBE2DE)
YUV	213.8830, 4.0017, -23.5764
Hunter-Lab	83.8042, -16.9823, 2.4349

# Details

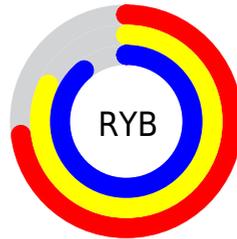
The Yxy color **70.2314, 0.2891, 0.3335** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.4784, 0.3425, 0.3246**, and the grayscale version is **67.1510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **36.9024, 0.2833, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **67.4818, 0.2766, 0.3364**, and if you desaturate by 10%, it is **73.4370, 0.3026, 0.3308**.

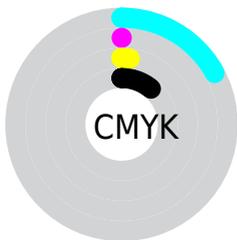
# Distribution



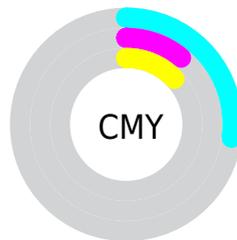
- Red (73%)
- Green (89%)
- Blue (87%)



- Red (73%)
- Yellow (82%)
- Blue (89%)



- Cyan (17%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (27%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2314, 0.2891, 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 70.2314, 0.2891, 0.3335 by changing the saturation by 10% instead.

 70.2314, 0.2891,  
0.3335

 70.2314, 0.2891,  
0.3335

461.3621, 0.3001,  
0.3315

 51.7152, 0.2866,  
0.3339

 119.5387, 0.2929,  
0.3328

 36.7781, 0.2835,  
0.3345

151.0986, 0.2944,  
0.3325

 25.0357, 0.2795,  
0.3352

187.7751, 0.2957,  
0.3323

 16.1037, 0.2744,  
0.3360

229.9528, 0.2968,  
0.3321

 9.5976, 0.2673,  
0.3372

278.0159, 0.2977,  
0.3319

 5.1330, 0.2571,  
0.3388

332.3489, 0.2986,

 2.3255, 0.2410,

0.3318

393.3362, 0.2994,  
0.3316

0.3410

0.7871, 0.1888,  
0.3536

0.0000, 0.0000,  
0.0000

70.2314, 0.2891,  
0.3335

70.2314, 0.2891,  
0.3335

67.4818, 0.2766,  
0.3364

73.4370, 0.3026,  
0.3308

65.1586, 0.2653,  
0.3396

77.1095, 0.3166,  
0.3283

63.2422, 0.2554,  
0.3428

81.2702, 0.3311,  
0.3261

61.7078, 0.2473,  
0.3463

81.4337, 0.3297,  
0.3239

■ 60.5280, 0.2411,  
0.3498

■ 81.5647, 0.3281,  
0.3216

■ 59.6720, 0.2368,  
0.3533

■ 81.6973, 0.3266,  
0.3193

■ 59.1033, 0.2344,  
0.3568

■ 81.8317, 0.3250,  
0.3171

■ 58.7739, 0.2337,  
0.3603

■ 81.9678, 0.3235,  
0.3148

■ 58.7035, 0.2337,  
0.3612

■ 82.1056, 0.3220,  
0.3126

# Harmonies

## Analogous

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



70.2314, 0.3029, 0.3478



70.2314, 0.2891, 0.3335



70.2314, 0.2816, 0.3183

# Triad

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



70.2314, 0.2891, 0.3335



70.2314, 0.3052, 0.3030



70.2314, 0.3441, 0.3507

# Complementary

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



70.2314, 0.2891, 0.3335



55.4784, 0.3425, 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.



70.2314, 0.3448, 0.3383



70.2314, 0.2891, 0.3335



70.2314, 0.3221, 0.3113

# Square

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



70.2314, 0.2891, 0.3335



70.2314, 0.2907, 0.3012



70.2314, 0.3367, 0.3240



70.2314, 0.3347, 0.3577

# Rectangle

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



70.2314, 0.2891, 0.3335



70.2314, 0.2811, 0.3099



70.2314, 0.3367, 0.3240



70.2314, 0.3454, 0.3470

# Sweetspot

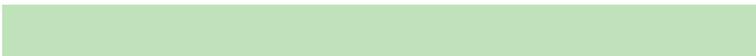
The Sweet Spot groups the original color and five complimentary colors.



70.2343, 0.2891, 0.3335



97.5783, 0.3056, 0.3302



69.1301, 0.3137, 0.3752



20.8156, 0.3046, 0.3304



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

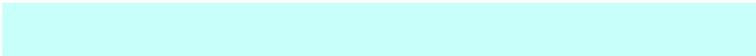


# Same Dimension

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



70.2343, 0.2891, 0.3335



90.8741, 0.2841, 0.3346



62.6746, 0.2859, 0.3115



15.5471, 0.2995, 0.3314



33.5015, 0.2335, 0.3607



2.3292, 0.2320, 0.3553



# Inverse Universe

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



55.4784, 0.3425, 0.3246



67.7434, 0.3509, 0.3235



61.9800, 0.3429, 0.3459



13.7231, 0.3276, 0.3266



9.2676, 0.6277, 0.3232

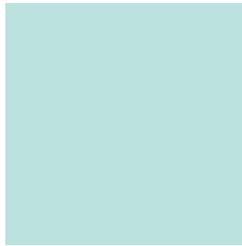


0.6502, 0.5984, 0.3070



# Previews

## White Background



This preview shows how the Yxy color 70.2314, 0.2891, 0.3335 looks on a white background.

## Color Contrast Check

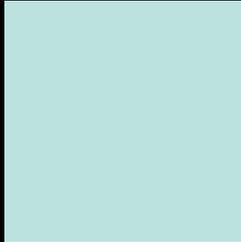
Large Text (above 18pt) WCAG AA × Fail

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 70.2314, 0.2891, 0.3335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

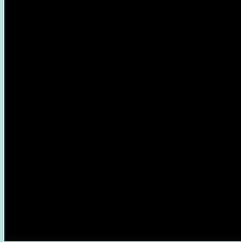
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

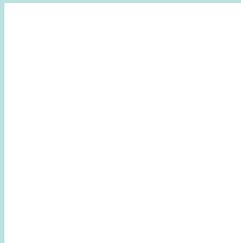
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.2314, 0.2891, 0.3335**

## Background



This preview shows how black text looks on a background with the Yxy color 70.2314, 0.2891, 0.3335.

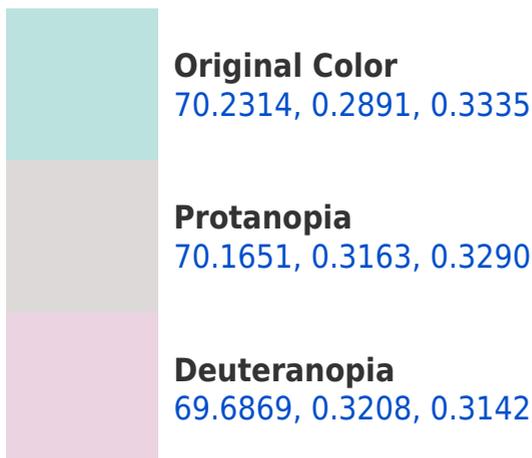


This preview shows how white text looks on a background with the Yxy color 70.2314, 0.2891, 0.3335.

# 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**

70.2026, 0.2804, 0.3088

# Trichromacy



## Original Color

70.2314, 0.2891, 0.3335

## Protanomaly

69.8562, 0.3056, 0.3301

## Deuteranomaly

69.3990, 0.3088, 0.3202

## Tritanomaly

70.1990, 0.2839, 0.3176

# Monochromacy



## Original Color

70.2314, 0.2891, 0.3335

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.9899, 0.3034, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2314, 0.2891, 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(187, 226, 222)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 226, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 226, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2314, 0.2891, 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(187, 226, 222) }
```

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

```
.border{ border-color:rgb(187, 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(187, 226, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 226, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 226, 222);  
box-shadow:4px 4px 4px 4px rgb(187, 226,  
222) }
```

# Background

The CSS property to change the background color of an element to Yxy 70.2314, 0.2891, 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(187, 226, 222) }
```

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

```
.background{ background-color: rgb(187,  
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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