

Converting Colors

$Yxy(70.7065, 0.2882, 0.3331)$

Have a look what the booklet for
Yxy(70.7065, 0.2882, 0.3331)
contains.

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Color

Yxy(70.8307, 0.2886, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	BBE3DF
RGB	187, 227, 223
RGB Percent	73%, 89%, 87%
CMY	0.2664, 0.1098, 0.1254
CMYK	0.18, 0.00, 0.02, 0.11
HSL	174°, 42%, 81%
HSV	174°, 18%, 89%
XYZ	61.2946, 70.8307, 80.2606
YIQ	214.5840, -22.5560, -9.7240

Conversions

Conversions Part 2

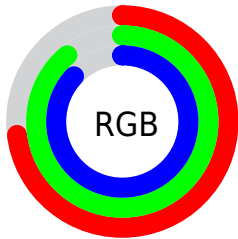
Format	Color
RYB	187, 208, 227
Decimal	12313567
CIELab	87.40, -13.72, -2.39
CIELCh	87, 13.926, 189.865
Yxy	70.8307, 0.2886, 0.3335
Android (android.graphics.Color)	4290503647 (0xFFBBE3DF)
YUV	214.5840, 4.1491, -24.1912
Hunter-Lab	84.1610, -17.2799, 2.3704

Details

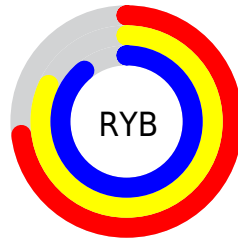
The Yxy color **70.8307, 0.2886, 0.3335** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.6611, 0.3433, 0.3246**, and the grayscale version is **67.6517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **37.3187, 0.2827, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **68.0710, 0.2761, 0.3364**, and if you desaturate by 10%, it is **74.0505, 0.3021, 0.3309**.

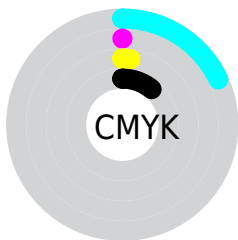
Distribution



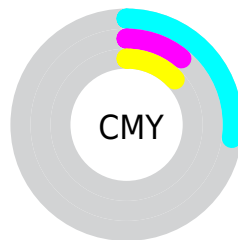
- Red (73%)
- Green (89%)
- Blue (87%)



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



- Cyan (18%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8307, 0.2886, 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 70.8307, 0.2886, 0.3335 by changing the saturation by 10% instead.


 70.8307, 0.2886,
0.3335

 70.8307, 0.2886,
0.3335

463.4614, 0.2998,
0.3315

 52.2040, 0.2860,
0.3339


 120.3926, 0.2925,
0.3328

 37.1677, 0.2829,
0.3345


152.0967, 0.2940,
0.3325

 25.3374, 0.2789,
0.3352


188.9287, 0.2953,
0.3323

 16.3286, 0.2736,
0.3360

231.2730, 0.2964,
0.3321

 9.7570, 0.2665,
0.3371

279.5140, 0.2974,
0.3319

 5.2381, 0.2561,
0.3387

334.0362, 0.2983,

 2.3876, 0.2399,

0.3318

395.2238, 0.2991,
0.3316

0.3409

0.8195, 0.1909,
0.3524

0.0000, 0.0000,
0.0000

70.8307, 0.2886,
0.3335

70.8307, 0.2886,
0.3335

68.0710, 0.2761,
0.3364

74.0505, 0.3021,
0.3309

65.7413, 0.2648,
0.3394

77.7413, 0.3162,
0.3284

63.8216, 0.2550,
0.3427

81.8939, 0.3305,
0.3263

62.2870, 0.2469,
0.3460

82.0216, 0.3290,
0.3240

■ 61.1097, 0.2408,
0.3494

■ 82.1510, 0.3275,
0.3218

■ 60.2582, 0.2365,
0.3529

■ 82.2820, 0.3260,
0.3196

■ 59.6955, 0.2342,
0.3563

■ 82.4147, 0.3245,
0.3174

■ 59.3716, 0.2335,
0.3597

■ 82.5491, 0.3230,
0.3152

■ 59.3100, 0.2335,
0.3605

■ 82.6851, 0.3215,
0.3130

Harmonies

Analogous

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



70.8307, 0.3026, 0.3481



70.8307, 0.2886, 0.3335



70.8307, 0.2810, 0.3180

Triad

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



70.8307, 0.2886, 0.3335



70.8307, 0.3052, 0.3025



70.8307, 0.3446, 0.3511

Complementary

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



70.8307, 0.2886, 0.3335



55.6611, 0.3433, 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.



70.8307, 0.3455, 0.3385



70.8307, 0.2886, 0.3335



70.8307, 0.3224, 0.3110

Square

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



70.8307, 0.2886, 0.3335



70.8307, 0.2904, 0.3007



70.8307, 0.3372, 0.3240



70.8307, 0.3350, 0.3582

Rectangle

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



70.8307, 0.2886, 0.3335



70.8307, 0.2805, 0.3095



70.8307, 0.3372, 0.3240



70.8307, 0.3460, 0.3474

Sweetspot

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



70.8336, 0.2886, 0.3335



97.5800, 0.3056, 0.3302



69.6067, 0.3132, 0.3763



20.8161, 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.



70.8336, 0.2886, 0.3335



90.8811, 0.2840, 0.3345



62.7169, 0.2853, 0.3103



16.3104, 0.2995, 0.3313



34.6034, 0.2333, 0.3600



2.5643, 0.2320, 0.3550

Inverse Universe

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



55.6611, 0.3433, 0.3246



67.7379, 0.3510, 0.3236



62.6482, 0.3435, 0.3470



14.3912, 0.3277, 0.3267



9.5672, 0.6282, 0.3234



0.7149, 0.6009, 0.3084

Previews

White Background



This preview shows how the Yxy color 70.8307, 0.2886, 0.3335 looks on a white background.

Color Contrast Check

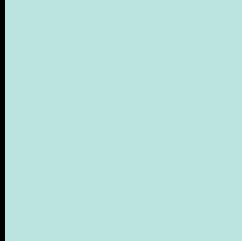
Large Text (above 18pt) WCAG AA × Fail

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 70.8307, 0.2886, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

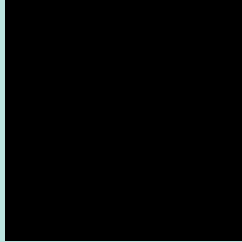
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

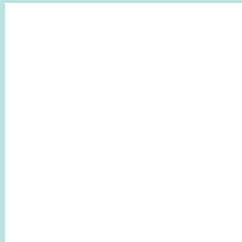
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8307, 0.2886, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 70.8307, 0.2886, 0.3335.

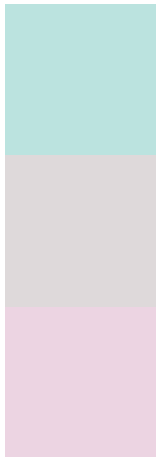


This preview shows how white text looks on a background with the Yxy color 70.8307, 0.2886, 0.3335.

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



Original Color

70.8307, 0.2886, 0.3335

Protanopia

70.2173, 0.3157, 0.3279

Deuteranopia

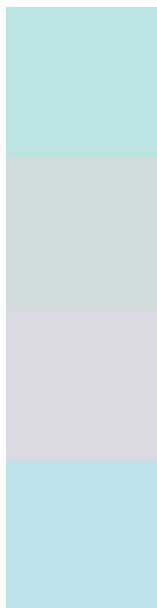
70.4108, 0.3208, 0.3143



Tritanopia

70.7985, 0.2799, 0.3088

Trichromacy



Original Color

70.8307, 0.2886, 0.3335

Protanomaly

70.4355, 0.3049, 0.3301

Deuteranomaly

69.9674, 0.3081, 0.3203

Tritanomaly

70.7957, 0.2834, 0.3176

Monochromacy



Original Color

70.8307, 0.2886, 0.3335

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.7041, 0.3035, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8307, 0.2886, 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, 227, 223)` looks like.

```
.text, #text, p{  
    color:rgb(187, 227, 223)  
}
```

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, 227, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 227, 223) }
```

Border

The CSS property to change the border of an element to Yxy 70.8307, 0.2886, 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, 227, 223) }
```

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

```
.border{ border-color:rgb(187, 227, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 227, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 227, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 227, 223);  
box-shadow:4px 4px 4px 4px rgb(187, 227,  
223) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.8307, 0.2886, 0.3335$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 227, 223) }
```

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

```
.background{ background-color: rgb(187,  
227, 223) }
```

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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