

Converting Colors

$Yxy(70.3711, 0.2856, 0.3340)$

Have a look what the booklet for
Yxy(70.3711, 0.2856, 0.3340)
contains.

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Color

Yxy(70.2110, 0.2854, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	B6E3DF
RGB	182, 227, 223
RGB Percent	71%, 89%, 87%
CMY	0.2865, 0.1097, 0.1255
CMYK	0.20, 0.00, 0.02, 0.11
HSL	175°, 45%, 80%
HSV	175°, 20%, 89%
XYZ	60.0666, 70.2110, 80.1870
YIQ	213.0890, -25.5360, -10.7840

Conversions

Conversions Part 2

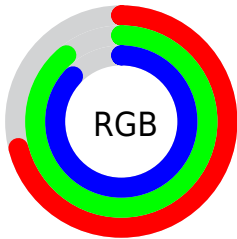
Format	Color
R _Y B	182, 206, 227
Decimal	11985887
CIE Lab	87.10, -15.32, -2.85
CIE LCh	87, 15.584, 190.545
Yxy	70.2110, 0.2854, 0.3336
Android (android.graphics.Color)	4290175967 (0xFFB6E3DF)
YUV	213.0890, 4.8861, -27.2651
Hunter-Lab	83.7920, -18.6776, 1.9152

Details

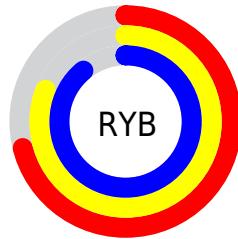
The Yxy color **70.2110, 0.2854, 0.3336** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.3083, 0.3486, 0.3245**, and the grayscale version is **66.5751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **36.9214, 0.2788, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **67.5625, 0.2730, 0.3362**, and if you desaturate by 10%, it is **73.3146, 0.2988, 0.3312**.

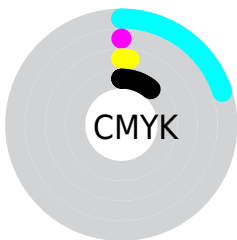
Distribution



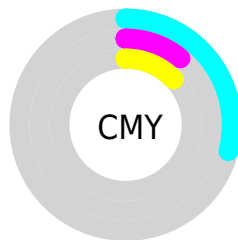
- Red (71%)
- Green (89%)
- Blue (87%)



- Red (71%)
- Yellow (81%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)





- Cyan (29%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2110, 0.2854, 0.3336 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 70.2110, 0.2854, 0.3336 by changing the saturation by 10% instead.

 70.2110, 0.2854,
0.3336

 70.2110, 0.2854,
0.3336


461.2905, 0.2981,
0.3316

 51.6986, 0.2825,
0.3340

 119.5096, 0.2898,
0.3329

 36.7649, 0.2789,
0.3346


151.0646, 0.2915,
0.3326

 25.0255, 0.2744,
0.3352


187.7358, 0.2930,
0.3324

 16.0960, 0.2684,
0.3361

229.9078, 0.2943,
0.3322

 9.5921, 0.2603,
0.3372

277.9649, 0.2954,
0.3320

 5.1294, 0.2486,
0.3386

332.2914, 0.2964,

 2.3234, 0.2302,

0.3318

0.3406

393.2718, 0.2973,
0.3317

0.7860, 0.1683,
0.3545

0.0000, 0.0000,
0.0000

70.2110, 0.2854,
0.3336

70.2110, 0.2854,
0.3336

67.5625, 0.2730,
0.3362

73.3146, 0.2988,
0.3312

65.3389, 0.2620,
0.3390

76.8847, 0.3129,
0.3290

63.5196, 0.2525,
0.3419

80.9432, 0.3275,
0.3270

62.0792, 0.2447,
0.3449

81.9855, 0.3296,
0.3250

60.9892, 0.2389,
0.3480

82.1010, 0.3283,
0.3230

60.2169, 0.2351,
0.3511

82.2179, 0.3269,
0.3210

59.7237, 0.2331,
0.3541

82.3362, 0.3256,
0.3190

59.4434, 0.2326,
0.3571

82.4558, 0.3242,
0.3170

59.4400, 0.2326,
0.3572

82.5767, 0.3229,
0.3150

Harmonies

Analogous

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



70.2110, 0.3009, 0.3502



70.2110, 0.2854, 0.3336



70.2110, 0.2772, 0.3162

Triad

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



70.2110, 0.2854, 0.3336



70.2110, 0.3046, 0.2996



70.2110, 0.3484, 0.3540

Complementary

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



70.2110, 0.2854, 0.3336



53.3083, 0.3486, 0.3245

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.



70.2110, 0.3496, 0.3400



70.2110, 0.2854, 0.3336



70.2110, 0.3239, 0.3091

Square

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



70.2110, 0.2854, 0.3336



70.2110, 0.2880, 0.2972



70.2110, 0.3406, 0.3237



70.2110, 0.3374, 0.3619

Rectangle

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



70.2110, 0.2854, 0.3336



70.2110, 0.2767, 0.3068



70.2110, 0.3406, 0.3237



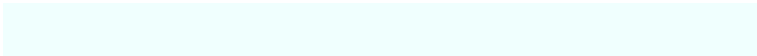
70.2110, 0.3500, 0.3498

Sweetspot

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



70.2139, 0.2854, 0.3336



97.1249, 0.3041, 0.3303



68.8193, 0.3133, 0.3831



20.7247, 0.3032, 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.



70.2139, 0.2854, 0.3336



89.8351, 0.2799, 0.3347



61.0793, 0.2818, 0.3076



16.3130, 0.2993, 0.3311



34.6674, 0.2324, 0.3567



2.5684, 0.2312, 0.3523

Inverse Universe

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



53.3083, 0.3486, 0.3245



63.8910, 0.3586, 0.3235



61.0039, 0.3481, 0.3495



14.3888, 0.3278, 0.3269



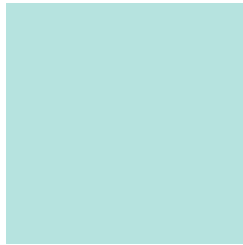
9.5616, 0.6297, 0.3243



0.7138, 0.6046, 0.3104

Previews

White Background



This preview shows how the Yxy color 70.2110, 0.2854, 0.3336 looks on a white background.

Color Contrast Check

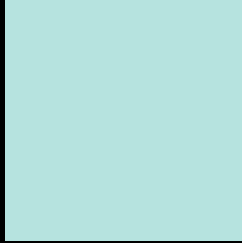
Large Text (above 18pt) WCAG AA × Fail

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 70.2110, 0.2854, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

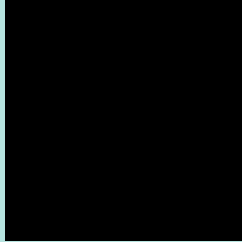
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

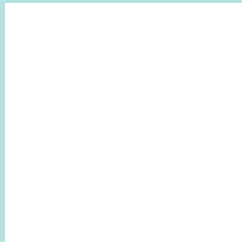
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2110, 0.2854, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 70.2110, 0.2854, 0.3336.

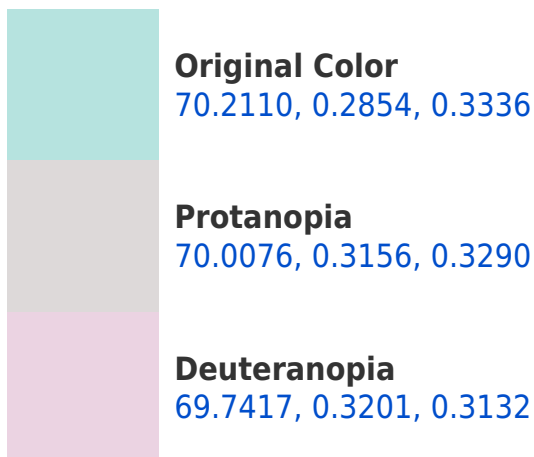


This preview shows how white text looks on a background with the Yxy color 70.2110, 0.2854, 0.3336.

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

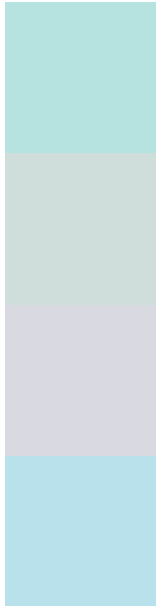




Tritanopia

70.1612, 0.2768, 0.3086

Trichromacy



Original Color

70.2110, 0.2854, 0.3336

Protanomaly

70.0928, 0.3042, 0.3312

Deuteranomaly

69.6609, 0.3067, 0.3202

Tritanomaly

70.1629, 0.2803, 0.3175

Monochromacy



Original Color

70.2110, 0.2854, 0.3336

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.7091, 0.3020, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2110, 0.2854, 0.3336 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(182, 227, 223)` looks like.

```
.text, #text, p{  
    color:rgb(182, 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(182, 227, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 227, 223) }
```

Border

The CSS property to change the border of an element to Yxy 70.2110, 0.2854, 0.3336 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(182, 227, 223) }
```

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

```
.border{ border-color:rgb(182, 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(182, 227, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 227, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 227, 223);  
box-shadow:4px 4px 4px 4px rgb(182, 227,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2110, 0.2854, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 227, 223) }
```

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

```
.background{ background-color: rgb(182,  
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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