

Converting Colors

$Yxy(70.2369, 0.2779, 0.3336)$

Have a look what the booklet for
Yxy(70.2369, 0.2779, 0.3336)
contains.

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Color

Yxy(70.1328, 0.2778, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	ABE5E1
RGB	171, 229, 225
RGB Percent	67%, 90%, 88%
CMY	0.3295, 0.1019, 0.1176
CMYK	0.25, 0.00, 0.02, 0.10
HSL	176°, 53%, 78%
HSV	176°, 25%, 90%
XYZ	58.4020, 70.1328, 81.6955
YIQ	211.2020, -33.2840, -13.5400

Conversions

Conversions Part 2

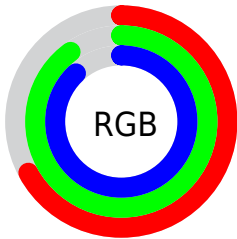
Format	Color
RYB	171, 201, 229
Decimal	11265505
CIELab	87.06, -19.16, -4.04
CIELCh	87, 19.579, 191.919
Yxy	70.1328, 0.2778, 0.3336
Android (android.graphics.Color)	4289455585 (0xFFABE5E1)
YUV	211.2020, 6.8024, -35.2572
Hunter-Lab	83.7453, -22.0728, 0.7830

Details

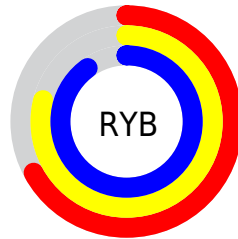
The Yxy color **70.1328, 0.2778, 0.3336** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.8739, 0.3626, 0.3245**, and the grayscale version is **65.2521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **36.5713, 0.2694, 0.3336** is the 20% darker color. If you saturate the color by 10%, you get **67.6973, 0.2659, 0.3357**, and if you desaturate by 10%, it is **73.0203, 0.2909, 0.3317**.

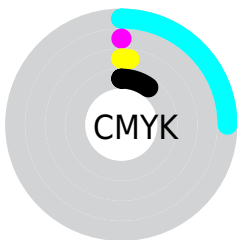
Distribution



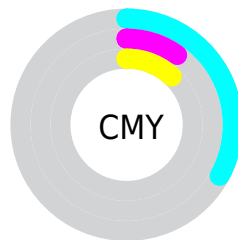
- Red (67%)
- Green (90%)
- Blue (88%)



- Red (67%)
- Yellow (79%)
- Blue (90%)



- Cyan (25%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)





- Cyan (33%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1328, 0.2778, 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 70.1328, 0.2778, 0.3336 by changing the saturation by 10% instead.


 70.1328, 0.2778,
0.3336

 70.1328, 0.2778,
0.3336

461.0162, 0.2939,
0.3316

 51.6348, 0.2741,
0.3340


 119.3981, 0.2834,
0.3330

 36.7141, 0.2696,
0.3345


150.9342, 0.2856,
0.3327

 24.9862, 0.2638,
0.3351


187.5852, 0.2874,
0.3325

 16.0668, 0.2563,
0.3358

229.7353, 0.2891,
0.3323

 9.5714, 0.2461,
0.3366

277.7691, 0.2905,
0.3321

 5.1157, 0.2314,
0.3376

332.0709, 0.2918,

 2.3153, 0.2087,

0.3319

393.0251, 0.2929,
0.3318

0.3386

0.7818, 0.1251,
0.3552

0.0000, 0.0000,
0.0000

70.1328, 0.2778,
0.3336

70.1328, 0.2778,
0.3336

67.6973, 0.2659,
0.3357

73.0203, 0.2909,
0.3317

65.6823, 0.2555,
0.3379

76.3725, 0.3050,
0.3299

64.0656, 0.2468,
0.3401

80.2123, 0.3196,
0.3283

62.8195, 0.2400,
0.3424

83.0908, 0.3293,
0.3268

■ 61.9129, 0.2351,
0.3448

■ 83.1807, 0.3282,
0.3252

■ 61.3093, 0.2321,
0.3471

■ 83.2713, 0.3272,
0.3236

■ 60.9642, 0.2309,
0.3494

■ 83.3628, 0.3261,
0.3221

■ 60.8577, 0.2307,
0.3505

■ 83.4551, 0.3251,
0.3205

■ 83.5482, 0.3241,
0.3190

Harmonies

Analogous

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



70.1328, 0.2968, 0.3550



70.1328, 0.2778, 0.3336



70.1328, 0.2681, 0.3118

Triad

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



70.1328, 0.2778, 0.3336



70.1328, 0.3035, 0.2927



70.1328, 0.3572, 0.3608

Complementary

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



70.1328, 0.2778, 0.3336



48.8739, 0.3626, 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.



70.1328, 0.3595, 0.3433



70.1328, 0.2778, 0.3336



70.1328, 0.3278, 0.3049

Square

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



70.1328, 0.2778, 0.3336



70.1328, 0.2825, 0.2893



70.1328, 0.3486, 0.3231



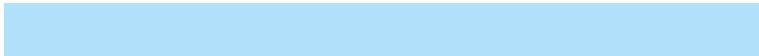
70.1328, 0.3428, 0.3706

Rectangle

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



70.1328, 0.2778, 0.3336



70.1328, 0.2680, 0.3002



70.1328, 0.3486, 0.3231



70.1328, 0.3595, 0.3556

Sweetspot

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



70.1357, 0.2778, 0.3336



96.2438, 0.3011, 0.3304



68.1917, 0.3126, 0.4004



20.4586, 0.2989, 0.3306



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.



70.1357, 0.2778, 0.3336



87.9290, 0.2719, 0.3346



57.8958, 0.2730, 0.2997



16.3183, 0.2991, 0.3306



34.8001, 0.2306, 0.3501



2.5768, 0.2297, 0.3467

Inverse Universe

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



48.8739, 0.3626, 0.3245



56.7515, 0.3758, 0.3237



58.7013, 0.3597, 0.3565



14.3840, 0.3282, 0.3274



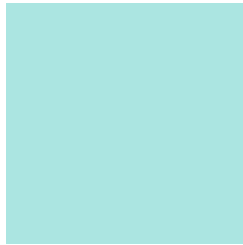
9.5516, 0.6325, 0.3258



0.7115, 0.6122, 0.3146

Previews

White Background



This preview shows how the Yxy color 70.1328, 0.2778, 0.3336 looks on a white background.

Color Contrast Check

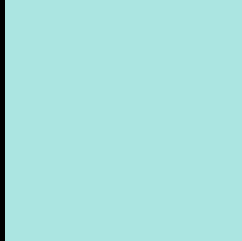
Large Text (above 18pt) WCAG AA × Fail

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 70.1328, 0.2778, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

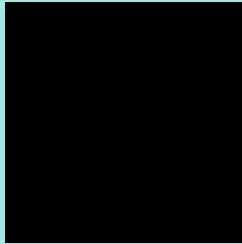
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

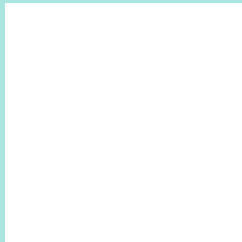
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1328, 0.2778, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 70.1328, 0.2778, 0.3336.

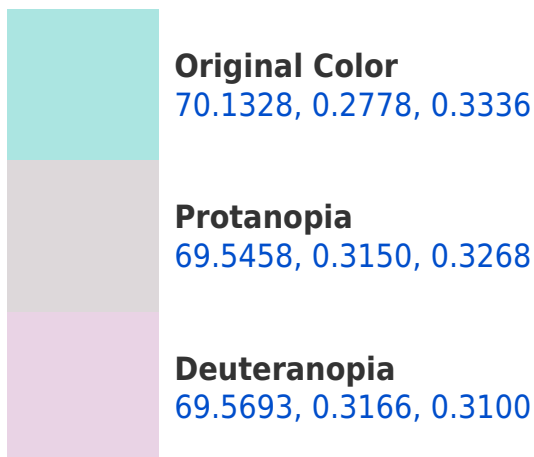


This preview shows how white text looks on a background with the Yxy color 70.1328, 0.2778, 0.3336.

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

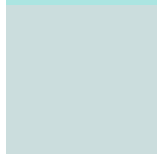
70.0383, 0.2695, 0.3084

Trichromacy



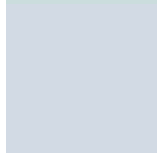
Original Color

70.1328, 0.2778, 0.3336



Protanomaly

69.6299, 0.3002, 0.3290



Deuteranomaly

69.4459, 0.3006, 0.3179



Tritanomaly

70.0513, 0.2728, 0.3174

Monochromacy



Original Color

70.1328, 0.2778, 0.3336



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

66.8364, 0.2985, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1328, 0.2778, 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(171, 229, 225)` looks like.

```
.text, #text, p{  
    color:rgb(171, 229, 225)  
}
```

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(171, 229, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 229, 225) }
```

Border

The CSS property to change the border of an element to Yxy 70.1328, 0.2778, 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(171, 229, 225) }
```

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

```
.border{ border-color:rgb(171, 229, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 229, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 229, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 229, 225); box-shadow:4px 4px 4px 4px rgb(171, 229, 225) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.1328, 0.2778, 0.3336$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 229, 225) }
```

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

```
.background{ background-color: rgb(171,  
229, 225) }
```

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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