

Converting Colors

$Yxy(70.8837, 0.2878, 0.3289)$

Have a look what the booklet for
Yxy(70.8837, 0.2878, 0.3289)
contains.

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Color

Yxy(70.7025, 0.2880, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	BDE2E2
RGB	189, 226, 226
RGB Percent	74%, 89%, 89%
CMY	0.2589, 0.1137, 0.1136
CMYK	0.16, 0.00, 0.00, 0.11
HSL	180°, 39%, 81%
HSV	180°, 16%, 89%
XYZ	61.9104, 70.7025, 82.3537
YIQ	214.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

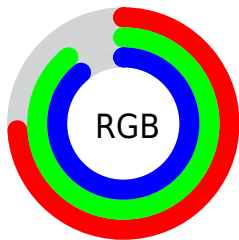
Format	Color
R _{YB}	189, 208, 226
Decimal	12444386
CIE Lab	87.34, -12.01, -4.05
CIE LCh	87, 12.674, 198.638
Yxy	70.7025, 0.2880, 0.3289
Android (android.graphics.Color)	4290634466 (0xFFBDE2E2)
YUV	214.9370, 5.4541, -22.7467
Hunter-Lab	84.0848, -15.7215, 0.7900

Details

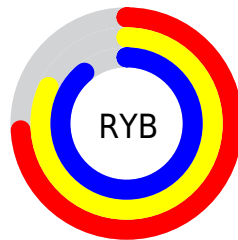
The Yxy color **70.7025, 0.2880, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.2464, 0.3438, 0.3291**, and the grayscale version is **67.8850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **37.2170, 0.2820, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **68.0296, 0.2742, 0.3288**, and if you desaturate by 10%, it is **73.8316, 0.3028, 0.3290**.

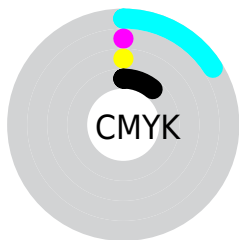
Distribution



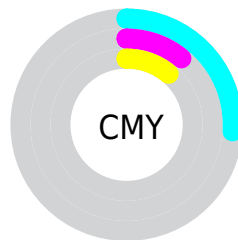
- Red (74%)
- Green (89%)
- Blue (89%)



- Red (74%)
- Yellow (82%)
- Blue (89%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (26%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7025, 0.2880, 0.3289 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 70.7025, 0.2880, 0.3289 by changing the saturation by 10% instead.

 70.7025, 0.2880,
0.3289

 70.7025, 0.2880,
0.3289

463.0128, 0.2994,
0.3291

 52.0995, 0.2854,
0.3288


 120.2100, 0.2920,
0.3290

 37.0844, 0.2822,
0.3287


151.8833, 0.2935,
0.3290

 25.2728, 0.2781,
0.3286


188.6821, 0.2948,
0.3290

 16.2804, 0.2727,
0.3284

230.9908, 0.2960,
0.3290

 9.7228, 0.2655,
0.3281

279.1938, 0.2970,
0.3290

 5.2156, 0.2549,
0.3274

333.6756, 0.2979,

 2.3743, 0.2385,

0.3290

394.8204, 0.2987,
0.3291

0.3260

0.8126, 0.1937,
0.3284

0.0000, 0.0000,
0.0000

70.7025, 0.2880,
0.3289

70.7025, 0.2880,
0.3289

68.0296, 0.2742,
0.3288

73.8316, 0.3028,
0.3290

65.7835, 0.2618,
0.3288


77.4277, 0.3184,
0.3290


63.9445, 0.2510,
0.3287


81.1696, 0.3332,
0.3291


62.4882, 0.2420,
0.3287


81.1768, 0.3332,
0.3291

 61.3876, 0.2350,
0.3287


 81.1840, 0.3332,
0.3291


 60.6119, 0.2299,
0.3286


 81.1912, 0.3332,
0.3291

 60.1255, 0.2266,
0.3286

 81.1984, 0.3332,
0.3291

 59.8833, 0.2250,
0.3286

 81.2056, 0.3332,
0.3291

 59.8280, 0.2246,
0.3286

 81.2128, 0.3332,
0.3292

Harmonies

Analogous

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



70.7025, 0.2993, 0.3428



70.7025, 0.2880, 0.3289



70.7025, 0.2832, 0.3154

Triad

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



70.7025, 0.2880, 0.3289



70.7025, 0.3104, 0.3065



70.7025, 0.3400, 0.3517

Complementary

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



70.7025, 0.2880, 0.3289



56.2464, 0.3438, 0.3291

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.



70.7025, 0.3432, 0.3415



70.7025, 0.2880, 0.3289



70.7025, 0.3259, 0.3157

Square

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



70.7025, 0.2880, 0.3289



70.7025, 0.2959, 0.3030



70.7025, 0.3380, 0.3283



70.7025, 0.3293, 0.3561

Rectangle

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



70.7025, 0.2880, 0.3289



70.7025, 0.2842, 0.3085



70.7025, 0.3380, 0.3283



70.7025, 0.3420, 0.3488

Sweetspot

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



70.7054, 0.2880, 0.3289



97.6568, 0.3049, 0.3290



68.8984, 0.3106, 0.3731



20.8348, 0.3038, 0.3290



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.



70.7054, 0.2880, 0.3289



91.5583, 0.2827, 0.3289



61.1819, 0.2870, 0.3073



15.5709, 0.2982, 0.3289



34.1234, 0.2246, 0.3286



2.3657, 0.2246, 0.3286

Inverse Universe

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



58.0547, 0.3146, 0.2886



71.6638, 0.3151, 0.2792



64.7188, 0.3405, 0.3498



13.9355, 0.3138, 0.3059



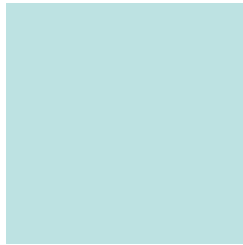
12.3528, 0.3211, 0.1542



0.8563, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 70.7025, 0.2880, 0.3289 looks on a white background.

Color Contrast Check

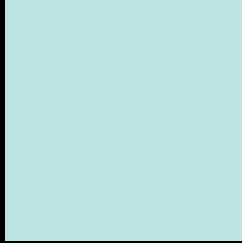
Large Text (above 18pt) WCAG AA × Fail

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 70.7025, 0.2880, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

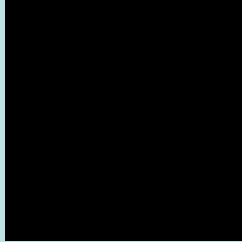
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

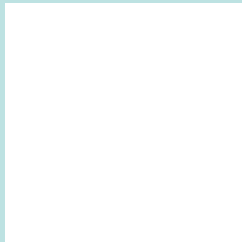
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7025, 0.2880, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 70.7025, 0.2880, 0.3289.

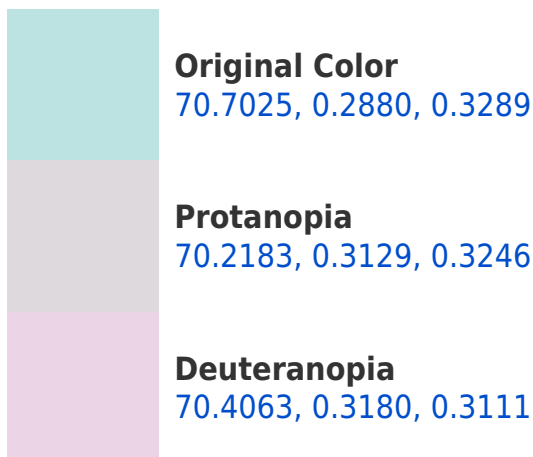


This preview shows how white text looks on a background with the Yxy color 70.7025, 0.2880, 0.3289.

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

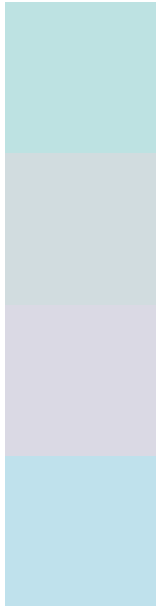




Tritanopia

70.8687, 0.2811, 0.3099

Trichromacy



Original Color

70.7025, 0.2880, 0.3289

Protanomaly

70.0694, 0.3030, 0.3256

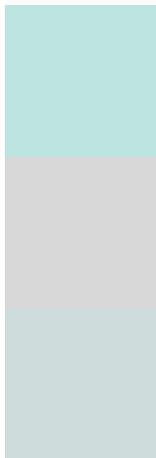
Deuteranomaly

70.1326, 0.3062, 0.3170

Tritanomaly

70.9829, 0.2834, 0.3165

Monochromacy



Original Color

70.7025, 0.2880, 0.3289

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.8993, 0.3035, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7025, 0.2880, 0.3289 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(189, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(189, 226, 226)  
}
```

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(189, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 226, 226) }
```

Border

The CSS property to change the border of an element to Yxy 70.7025, 0.2880, 0.3289 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(189, 226, 226) }
```

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

```
.border{ border-color:rgb(189, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 226, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 226, 226); box-shadow:4px 4px 4px 4px rgb(189, 226, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7025, 0.2880, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 226, 226) }
```

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

```
.background{ background-color: rgb(189,  
226, 226) }
```

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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