

Converting Colors

$Yxy(70.1233, 0.2807, 0.3277)$

Have a look what the booklet for
Yxy(70.1233, 0.2807, 0.3277)
contains.

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Color

Yxy(70.1233, 0.2807, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	B3E3E4
RGB	179, 227, 228
RGB Percent	70%, 89%, 89%
CMY	0.2981, 0.1098, 0.1057
CMYK	0.22, 0.00, 0.00, 0.11
HSL	181°, 48%, 80%
HSV	181°, 22%, 89%
XYZ	60.0659, 70.1233, 83.7970
YIQ	212.7620, -28.9290, -9.8650

Conversions

Conversions Part 2

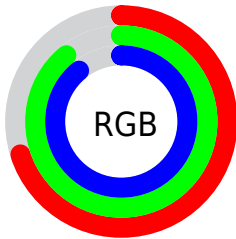
Format	Color
RYB	179, 203, 228
Decimal	11789284
CIELab	87.06, -15.14, -5.60
CIELCh	87, 16.139, 200.291
Yxy	70.1233, 0.2807, 0.3277
Android (android.graphics.Color)	4289979364 (0xFFB3E3E4)
YUV	212.7620, 7.5123, -29.6093
Hunter-Lab	83.7397, -18.5074, -0.7129

Details

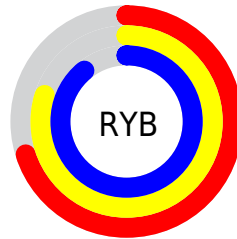
The Yxy color **70.1233, 0.2807, 0.3277** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.4107, 0.3559, 0.3303**, and the grayscale version is **66.3378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **36.8822, 0.2730, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **67.3662, 0.2675, 0.3270**, and if you desaturate by 10%, it is **73.3362, 0.2951, 0.3283**.

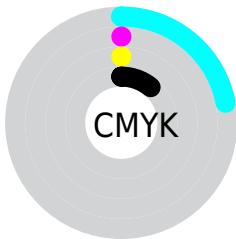
Distribution



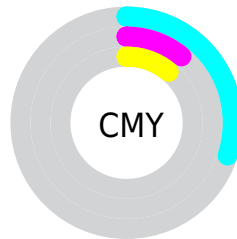
- Red (70%)
- Green (89%)
- Blue (89%)



- Red (70%)
- Yellow (80%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (30%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1233, 0.2807, 0.3277 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 70.1233, 0.2807, 0.3277 by changing the saturation by 10% instead.


 70.1233, 0.2807,
0.3277

 70.1233, 0.2807,
0.3277


460.9828, 0.2955,
0.3285

 51.6271, 0.2773,
0.3275


 119.3846, 0.2858,
0.3280

 36.7079, 0.2732,
0.3272


150.9184, 0.2878,
0.3281

 24.9814, 0.2679,
0.3268


187.5669, 0.2895,
0.3282

 16.0632, 0.2610,
0.3261

229.7144, 0.2910,
0.3283

 9.5689, 0.2517,
0.3252

277.7453, 0.2924,
0.3283

 5.1141, 0.2383,
0.3236

332.0441, 0.2935,

 2.3143, 0.2174,

0.3284

392.9952, 0.2946,
0.3285

0.3204

0.7813, 0.1539,
0.3223

0.0000, 0.0000,
0.0000

70.1233, 0.2807,
0.3277

70.1233, 0.2807,
0.3277

67.3662, 0.2675,
0.3270

73.3362, 0.2951,
0.3283

65.0342, 0.2557,
0.3263

77.0168, 0.3104,
0.3289

63.1063, 0.2456,
0.3256

81.1873, 0.3262,
0.3295

61.5561, 0.2373,
0.3249

82.8661, 0.3315,
0.3299

■ 60.3542, 0.2310,
0.3242

■ 83.1336, 0.3314,
0.3304

■ 59.4670, 0.2266,
0.3235

■ 83.4019, 0.3314,
0.3309

■ 58.8539, 0.2240,
0.3228

■ 83.6710, 0.3313,
0.3314

■ 58.4921, 0.2228,
0.3222

■ 83.9408, 0.3313,
0.3319

■ 84.2113, 0.3312,
0.3323

Harmonies

Analogous

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



70.1233, 0.2946, 0.3458



70.1233, 0.2807, 0.3277



70.1233, 0.2752, 0.3106

Triad

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



70.1233, 0.2807, 0.3277



70.1233, 0.3108, 0.3010



70.1233, 0.3470, 0.3584

Complementary

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



70.1233, 0.2807, 0.3277



52.4107, 0.3559, 0.3303

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.



70.1233, 0.3518, 0.3455



70.1233, 0.2807, 0.3277



70.1233, 0.3305, 0.3129

Square

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



70.1233, 0.2807, 0.3277



70.1233, 0.2921, 0.2960



70.1233, 0.3457, 0.3289



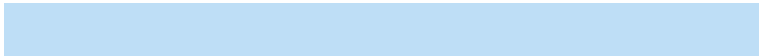
70.1233, 0.3329, 0.3638

Rectangle

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



70.1233, 0.2807, 0.3277



70.1233, 0.2768, 0.3022



70.1233, 0.3457, 0.3289



70.1233, 0.3498, 0.3548

Sweetspot

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



70.1262, 0.2807, 0.3277



97.0062, 0.3034, 0.3287



68.3800, 0.3094, 0.3878



20.6965, 0.3024, 0.3286



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.



70.1262, 0.2807, 0.3277



88.6278, 0.2744, 0.3274



57.7570, 0.2786, 0.2987



16.2812, 0.2982, 0.3285



33.7853, 0.2229, 0.3223



2.5134, 0.2232, 0.3233

Inverse Universe

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



54.2845, 0.3160, 0.2767



64.6561, 0.3168, 0.2653



63.1002, 0.3503, 0.3575



14.6097, 0.3141, 0.3063



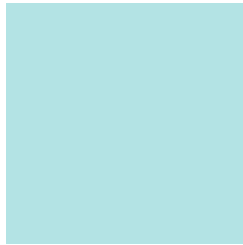
12.6084, 0.3263, 0.1571



0.9334, 0.3254, 0.1566

Previews

White Background



This preview shows how the Yxy color 70.1233, 0.2807, 0.3277 looks on a white background.

Color Contrast Check

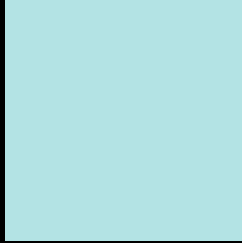
Large Text (above 18pt) WCAG AA × Fail

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 70.1233, 0.2807, 0.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

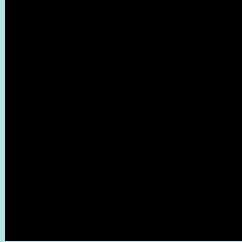
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1233, 0.2807, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 70.1233, 0.2807, 0.3277.

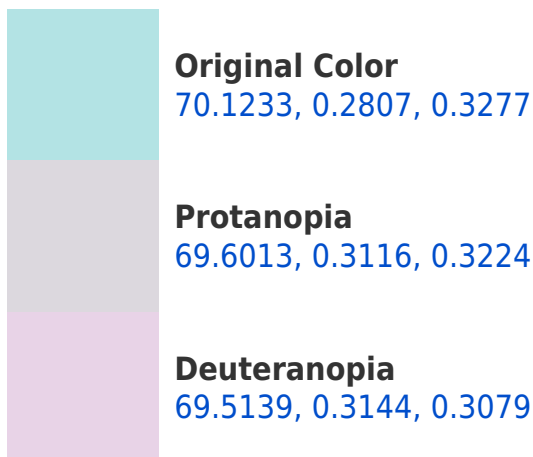


This preview shows how white text looks on a background with the Yxy color 70.1233, 0.2807, 0.3277.

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

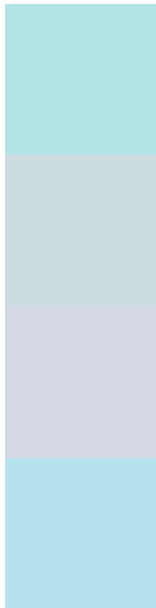




Tritanopia

70.2666, 0.2740, 0.3086

Trichromacy



Original Color

70.1233, 0.2807, 0.3277

Protanomaly

69.5474, 0.2997, 0.3245

Deuteranomaly

69.4850, 0.3014, 0.3147

Tritanomaly

70.3895, 0.2762, 0.3152

Monochromacy



Original Color

70.1233, 0.2807, 0.3277

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.6223, 0.3007, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1233, 0.2807, 0.3277 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(179, 227, 228)` looks like.

```
.text, #text, p{  
    color:rgb(179, 227, 228)  
}
```

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(179, 227, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 227, 228) }
```

Border

The CSS property to change the border of an element to Yxy 70.1233, 0.2807, 0.3277 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(179, 227, 228) }
```

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

```
.border{ border-color:rgb(179, 227, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 227, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 227, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 227, 228);  
box-shadow:4px 4px 4px 4px rgb(179, 227,  
228) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.1233, 0.2807, 0.3277$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 227, 228) }
```

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

```
.background{ background-color: rgb(179,  
227, 228) }
```

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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