

Converting Colors

$Yxy(68.1849, 0.2771, 0.3206)$

Have a look what the booklet for
Yxy(68.1849, 0.2771, 0.3206)
contains.

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Color

Yxy(68.3109, 0.2770, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	B0E0E7
RGB	176, 224, 231
RGB Percent	69%, 88%, 91%
CMY	0.3094, 0.1216, 0.0940
CMYK	0.24, 0.03, 0.00, 0.09
HSL	188°, 53%, 80%
HSV	188°, 24%, 91%
XYZ	59.0026, 68.3109, 85.6922
YIQ	210.4460, -30.8550, -7.9990

Conversions

Conversions Part 2

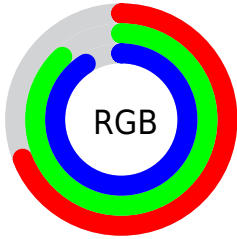
Format	Color
R_{YB}	176, 202, 231
Decimal	11591911
CIE _{Lab}	86.16, -13.82, -8.51
CIE _{LCh}	86, 16.235, 211.623
Yxy	68.3109, 0.2770, 0.3207
Android (android.graphics.Color)	4289781991 (0xFFB0E0E7)
YUV	210.4460, 10.1331, -30.2091
Hunter-Lab	82.6504, -17.2105, -3.6167

Details

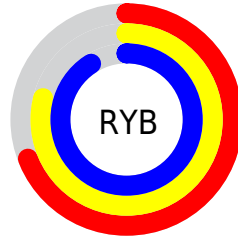
The Yxy color **68.3109, 0.2770, 0.3207** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.0562, 0.3603, 0.3371**, and the grayscale version is **64.7184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **35.6087, 0.2688, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **64.2660, 0.2633, 0.3167**, and if you desaturate by 10%, it is **72.8474, 0.2916, 0.3244**.

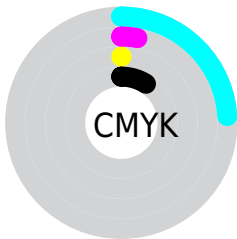
Distribution



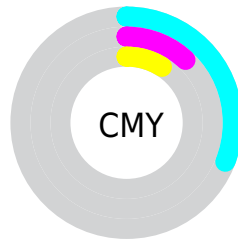
- Red (69%)
- Green (88%)
- Blue (91%)



- Red (69%)
- Yellow (79%)
- Blue (91%)



- Cyan (24%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3109, 0.2770, 0.3207 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 68.3109, 0.2770, 0.3207 by changing the saturation by 10% instead.

■ 68.3109, 0.2770,
0.3207

■ 68.3109, 0.2770,
0.3207

■ 454.5968, 0.2935,
0.3248

■ 50.1507, 0.2732,
0.3197

■ 116.7968, 0.2827,
0.3222

■ 35.5332, 0.2686,
0.3184

■ 147.8913, 0.2850,
0.3227

■ 24.0739, 0.2627,
0.3167

■ 184.0660, 0.2869,
0.3232

■ 15.3884, 0.2550,
0.3144

■ 225.7053, 0.2886,
0.3236

■ 9.0924, 0.2445,
0.3111

■ 273.1937, 0.2900,
0.3240

■ 4.8015, 0.2294,
0.3060

■ 326.9155, 0.2913,

■ 2.1313, 0.2061,

0.3243

0.2972

387.2550, 0.2925,
0.3246

0.6821, 0.1306,
0.2865

0.0000, 0.0000,
0.0000

68.3109, 0.2770,
0.3207

68.3109, 0.2770,
0.3207

64.2660, 0.2633,
0.3167

72.8474, 0.2916,
0.3244

60.6811, 0.2509,
0.3126

77.8889, 0.3069,
0.3278

57.5336, 0.2399,
0.3082

83.4585, 0.3224,
0.3309

54.7955, 0.2307,
0.3037

86.9226, 0.3288,
0.3338

■ 52.4356, 0.2235,
0.2992

■ 88.6407, 0.3284,
0.3367

■ 50.4174, 0.2181,
0.2946

■ 90.3871, 0.3281,
0.3396

■ 48.6969, 0.2147,
0.2901

■ 92.1621, 0.3278,
0.3424

■ 47.7332, 0.2132,
0.2874

■ 93.9657, 0.3275,
0.3453

■ 95.7982, 0.3272,
0.3481

Harmonies

Analogous

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



68.3109, 0.2882, 0.3394



68.3109, 0.2770, 0.3207



68.3109, 0.2750, 0.3051

Triad

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



68.3109, 0.2770, 0.3207



68.3109, 0.3185, 0.3045



68.3109, 0.3430, 0.3620

Complementary

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



68.3109, 0.2770, 0.3207



54.0562, 0.3603, 0.3371

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.



68.3109, 0.3518, 0.3514



68.3109, 0.2770, 0.3207



68.3109, 0.3374, 0.3185

Square

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



68.3109, 0.2770, 0.3207



68.3109, 0.2985, 0.2965



68.3109, 0.3498, 0.3354



68.3109, 0.3261, 0.3638

Rectangle

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



68.3109, 0.2770, 0.3207



68.3109, 0.2792, 0.2985



68.3109, 0.3498, 0.3354



68.3109, 0.3470, 0.3593

Sweetspot

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



68.3137, 0.2770, 0.3207



95.3190, 0.3018, 0.3267



69.8044, 0.3057, 0.3880



20.3191, 0.3009, 0.3265



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.



68.3137, 0.2770, 0.3207



82.6695, 0.2695, 0.3186



55.0147, 0.2743, 0.2883



16.0045, 0.2982, 0.3259



26.8828, 0.2134, 0.2881



2.0750, 0.2152, 0.2946

Inverse Universe

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



53.4632, 0.3211, 0.2770



60.9524, 0.3233, 0.2651



66.2088, 0.3535, 0.3666



14.5818, 0.3157, 0.3088



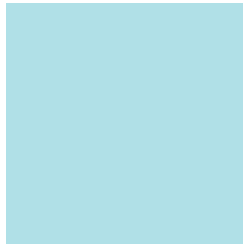
11.9116, 0.3561, 0.1735



0.8891, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 68.3109, 0.2770, 0.3207 looks on a white background.

Color Contrast Check

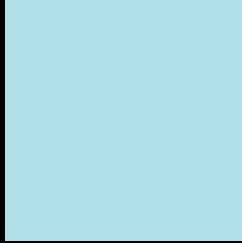
Large Text (above 18pt) WCAG AA × Fail

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 68.3109, 0.2770, 0.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

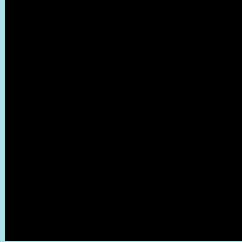
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3109, 0.2770, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 68.3109, 0.2770, 0.3207.

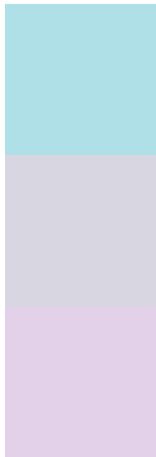


This preview shows how white text looks on a background with the Yxy color 68.3109, 0.2770, 0.3207.

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

68.3109, 0.2770, 0.3207

Protanopia

68.1283, 0.3068, 0.3169

Deuteranopia

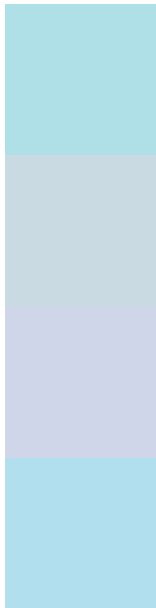
67.8723, 0.3088, 0.3023



Tritanopia

68.5316, 0.2730, 0.3094

Trichromacy



Original Color

68.3109, 0.2770, 0.3207

Protanomaly

68.1064, 0.2950, 0.3188

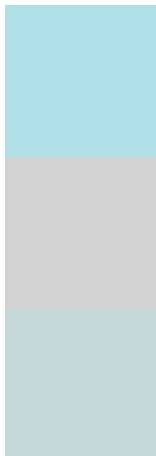
Deuteranomaly

67.3862, 0.2960, 0.3079

Tritanomaly

68.2369, 0.2741, 0.3128

Monochromacy



Original Color

68.3109, 0.2770, 0.3207

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.6686, 0.2986, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3109, 0.2770, 0.3207 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(176, 224, 231)` looks like.

```
.text, #text, p{  
    color:rgb(176, 224, 231)  
}
```

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(176, 224, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 224, 231) }
```

Border

The CSS property to change the border of an element to Yxy 68.3109, 0.2770, 0.3207 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(176, 224, 231) }
```

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

```
.border{ border-color:rgb(176, 224, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 224, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 224, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 224, 231);  
box-shadow:4px 4px 4px 4px rgb(176, 224,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3109, 0.2770, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 224, 231) }
```

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

```
.background{ background-color: rgb(176,  
224, 231) }
```

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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