

Converting Colors

$Y_{xy}(69.6223, 0.2738, 0.3250)$

Have a look what the booklet for
Yxy(69.6223, 0.2738, 0.3250)
contains.

Yxy(69.8024, 0.2738, 0.3254)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.8024, 0.2738, 0.3254)

Conversions

Conversions Part 1

Format	Color
Hex	AAE4E7
RGB	170, 228, 231
RGB Percent	67%, 89%, 91%
CMY	0.3336, 0.1058, 0.0941
CMYK	0.26, 0.01, 0.00, 0.09
HSL	183°, 56%, 79%
HSV	183°, 26%, 91%
XYZ	58.7335, 69.8024, 85.9767
YIQ	211.0000, -35.5310, -11.3630

Conversions

Conversions Part 2

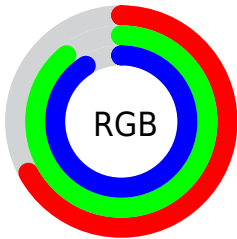
Format	Color
RYB	170, 200, 231
Decimal	11199719
CIELab	86.90, -17.66, -7.44
CIELCh	87, 19.160, 202.861
Yxy	69.8024, 0.2738, 0.3254
Android (android.graphics.Color)	4289389799 (0xFFAAE4E7)
YUV	211.0000, 9.8600, -35.9570
Hunter-Lab	83.5478, -20.7244, -2.5301

Details

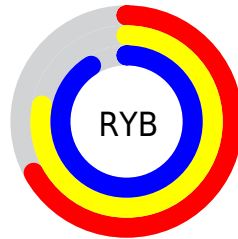
The Yxy color **69.8024, 0.2738, 0.3254** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.7431, 0.3686, 0.3326**, and the grayscale version is **65.0859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **36.3132, 0.2651, 0.3242** is the 20% darker color. If you saturate the color by 10%, you get **66.8359, 0.2610, 0.3239**, and if you desaturate by 10%, it is **73.2308, 0.2878, 0.3268**.

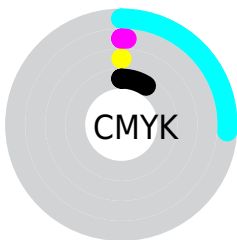
Distribution



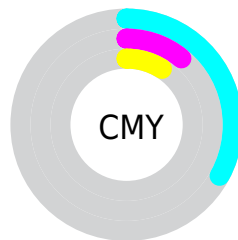
- Red (67%)
- Green (89%)
- Blue (91%)



- Red (67%)
- Yellow (78%)
- Blue (91%)



- Cyan (26%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)





- Cyan (33%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8024, 0.2738, 0.3254 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 69.8024, 0.2738, 0.3254 by changing the saturation by 10% instead.


 69.8024, 0.2738,
0.3254

 69.8024, 0.2738,
0.3254


459.8559, 0.2917,
0.3274

 51.3655, 0.2697,
0.3249

 118.9269, 0.2800,
0.3261

 36.4995, 0.2647,
0.3242


150.3833, 0.2824,
0.3264

 24.8202, 0.2584,
0.3233


186.9483, 0.2845,
0.3266

 15.9432, 0.2501,
0.3220

229.0062, 0.2863,
0.3268

 9.4840, 0.2389,
0.3201

276.9416, 0.2879,
0.3270

 5.0582, 0.2229,
0.3169


331.1387, 0.2893,

 2.2814, 0.1985,


0.3271


391.9820, 0.2906,
0.3272


0.3111


 0.7639, 0.1197,
0.3098


 0.0000, 0.0000,
0.0000


 69.8024, 0.2738,
0.3254


 69.8024, 0.2738,
0.3254


 66.8359, 0.2610,
0.3239


 73.2308, 0.2878,
0.3268


 64.2992, 0.2498,
0.3223

 77.1347, 0.3028,
0.3282

 62.1692, 0.2402,
0.3206

 81.5373, 0.3183,
0.3294

 60.4175, 0.2326,
0.3190

 85.0402, 0.3291,
0.3306

■ 59.0115, 0.2269,
0.3173

■ 85.6788, 0.3290,
0.3317

■ 57.9134, 0.2231,
0.3157

■ 86.3216, 0.3289,
0.3328

■ 57.0758, 0.2210,
0.3141

■ 86.9683, 0.3288,
0.3339

■ 56.8118, 0.2204,
0.3135

■ 87.6192, 0.3286,
0.3350

■ 88.2742, 0.3285,
0.3361

Harmonies

Analogous

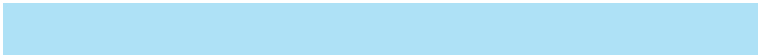
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.8024, 0.2895, 0.3473



69.8024, 0.2738, 0.3254



69.8024, 0.2683, 0.3055

Triad

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



69.8024, 0.2738, 0.3254



69.8024, 0.3124, 0.2969



69.8024, 0.3524, 0.3649

Complementary

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



69.8024, 0.2738, 0.3254



49.7431, 0.3686, 0.3326

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.



69.8024, 0.3593, 0.3499



69.8024, 0.2738, 0.3254



69.8024, 0.3357, 0.3114

Square

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



69.8024, 0.2738, 0.3254



69.8024, 0.2899, 0.2902



69.8024, 0.3531, 0.3305



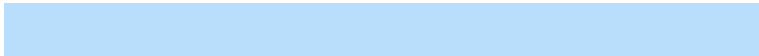
69.8024, 0.3348, 0.3706

Rectangle

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



69.8024, 0.2738, 0.3254



69.8024, 0.2709, 0.2962



69.8024, 0.3531, 0.3305



69.8024, 0.3561, 0.3607

Sweetspot

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



69.8052, 0.2738, 0.3254



95.7006, 0.3003, 0.3280



68.6672, 0.3080, 0.4022



20.3205, 0.2980, 0.3278



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.



69.8052, 0.2738, 0.3254



85.1554, 0.2663, 0.3245



54.8939, 0.2704, 0.2894



16.2094, 0.2982, 0.3278



31.9048, 0.2205, 0.3138



2.3950, 0.2211, 0.3161

Inverse Universe

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



51.3162, 0.3182, 0.2663



58.2669, 0.3195, 0.2527



62.3656, 0.3601, 0.3656



14.6024, 0.3145, 0.3070



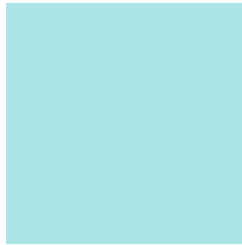
12.4185, 0.3335, 0.1611



0.9215, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 69.8024, 0.2738, 0.3254 looks on a white background.

Color Contrast Check

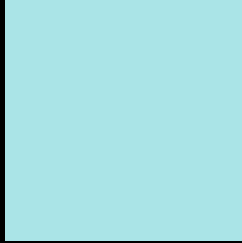
Large Text (above 18pt) WCAG AA × Fail

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 69.8024, 0.2738, 0.3254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

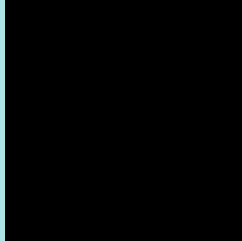
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8024, 0.2738, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 69.8024, 0.2738, 0.3254.

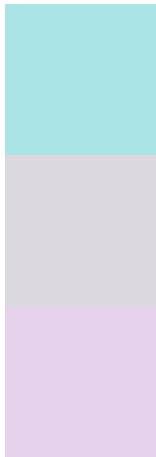


This preview shows how white text looks on a background with the Yxy color 69.8024, 0.2738, 0.3254.

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

69.8024, 0.2738, 0.3254

Protanopia

69.5536, 0.3095, 0.3203

Deuteranopia

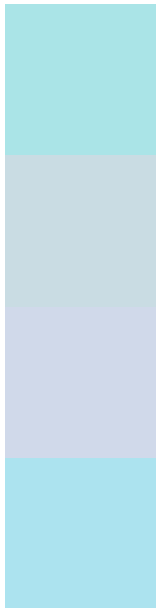
69.4097, 0.3103, 0.3036



Tritanopia

69.8086, 0.2683, 0.3083

Trichromacy



Original Color

69.8024, 0.2738, 0.3254

Protanomaly

69.1500, 0.2951, 0.3211

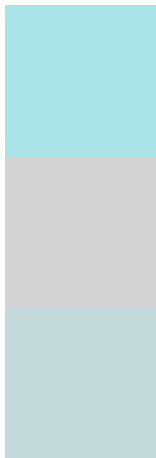
Deuteranomaly

68.9761, 0.2954, 0.3102

Tritanomaly

69.9408, 0.2706, 0.3151

Monochromacy



Original Color

69.8024, 0.2738, 0.3254

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.4234, 0.2973, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8024, 0.2738, 0.3254 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(170, 228, 231)` looks like.

```
.text, #text, p{  
    color:rgb(170, 228, 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(170, 228, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 228, 231) }
```

Border

The CSS property to change the border of an element to Yxy 69.8024, 0.2738, 0.3254 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(170, 228, 231) }
```

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

```
.border{ border-color:rgb(170, 228, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 228, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 228, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 228, 231);  
box-shadow:4px 4px 4px 4px rgb(170, 228,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8024, 0.2738, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 228, 231) }
```

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

```
.background{ background-color: rgb(170,  
228, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor