

Converting Colors

$Y_{xy}(69.0325, 0.2693, 0.3180)$

Have a look what the booklet for
Yxy(69.0325, 0.2693, 0.3180)
contains.

Yxy(69.2098, 0.2693, 0.3184)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.2098, 0.2693, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	A7E3EC
RGB	167, 227, 236
RGB Percent	65%, 89%, 93%
CMY	0.3453, 0.1097, 0.0746
CMYK	0.29, 0.04, 0.00, 0.07
HSL	188°, 64%, 79%
HSV	188°, 29%, 93%
XYZ	58.5371, 69.2098, 89.6206
YIQ	210.0860, -38.6490, -9.9210

Conversions

Conversions Part 2

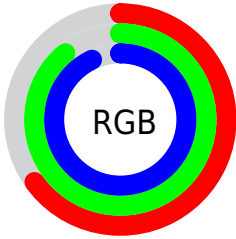
Format	Color
RYB	167, 199, 236
Decimal	11002860
CIELab	86.61, -16.87, -10.52
CIELCh	87, 19.884, 211.952
Yxy	69.2098, 0.2693, 0.3184
Android (android.graphics.Color)	4289192940 (0xFFA7E3EC)
YUV	210.0860, 12.7756, -37.7864
Hunter-Lab	83.1924, -19.9880, -5.6366

Details

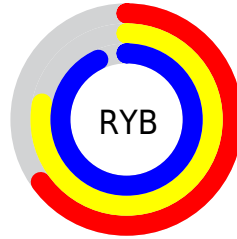
The Yxy color **69.2098, 0.2693, 0.3184** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.6430, 0.3749, 0.3393**, and the grayscale version is **64.4374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **36.3110, 0.2597, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **65.2100, 0.2562, 0.3142**, and if you desaturate by 10%, it is **73.7140, 0.2835, 0.3223**.

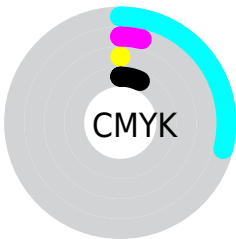
Distribution



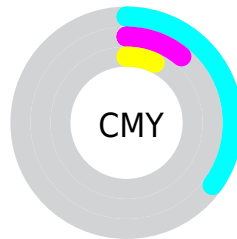
- Red (65%)
- Green (89%)
- Blue (93%)



- Red (65%)
- Yellow (78%)
- Blue (93%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)





- Cyan (35%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.2098, 0.2693, 0.3184 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 69.2098, 0.2693, 0.3184 by changing the saturation by 10% instead.


 69.2098, 0.2693,
0.3184

 69.2098, 0.2693,
0.3184


457.7706, 0.2893,
0.3237

 50.8826, 0.2648,
0.3171

 118.0812, 0.2762,
0.3203

 36.1152, 0.2592,
0.3154


 149.3941, 0.2789,
0.3210

 24.5232, 0.2522,
0.3133


185.8045, 0.2812,
0.3216

 15.7222, 0.2430,
0.3103

227.6966, 0.2832,
0.3222

 9.3278, 0.2307,
0.3061

275.4549, 0.2850,
0.3226

 4.9556, 0.2132,
0.2995

329.4637, 0.2866,

 2.2212, 0.1867,

0.3230

0.2882

390.1075, 0.2880,
0.3234

0.7315, 0.1063,
0.2744

0.0000, 0.0000,
0.0000

69.2098, 0.2693,
0.3184

69.2098, 0.2693,
0.3184

65.2100, 0.2562,
0.3142

73.7140, 0.2835,
0.3223

61.6806, 0.2445,
0.3099

78.7379, 0.2984,
0.3259

58.5961, 0.2345,
0.3054

84.3066, 0.3139,
0.3292

55.9254, 0.2264,
0.3008

89.2159, 0.3252,
0.3323

■ 53.6327, 0.2201,
0.2962

■ 91.0304, 0.3250,
0.3352

■ 51.6758, 0.2158,
0.2916

■ 92.8755, 0.3247,
0.3382

■ 49.9886, 0.2132,
0.2870

■ 94.7514, 0.3244,
0.3412

■ 49.8671, 0.2130,
0.2867

■ 96.6582, 0.3241,
0.3441

■ 98.5961, 0.3238,
0.3470

Harmonies

Analogous

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



69.2098, 0.2827, 0.3414



69.2098, 0.2693, 0.3184



69.2098, 0.2671, 0.2996

Triad

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



69.2098, 0.2693, 0.3184



69.2098, 0.3199, 0.2995



69.2098, 0.3494, 0.3693

Complementary

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



69.2098, 0.2693, 0.3184



51.6430, 0.3749, 0.3393

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.



69.2098, 0.3604, 0.3561



69.2098, 0.2693, 0.3184



69.2098, 0.3431, 0.3164

Square

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



69.2098, 0.2693, 0.3184



69.2098, 0.2956, 0.2898



69.2098, 0.3581, 0.3368



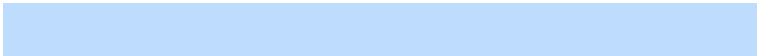
69.2098, 0.3287, 0.3717

Rectangle

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



69.2098, 0.2693, 0.3184



69.2098, 0.2721, 0.2918



69.2098, 0.3581, 0.3368



69.2098, 0.3544, 0.3659

Sweetspot

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



69.2126, 0.2693, 0.3184



94.0154, 0.2988, 0.3260



71.2907, 0.3041, 0.4040



19.9269, 0.2965, 0.3255



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.



69.2126, 0.2693, 0.3184



79.6396, 0.2614, 0.3160



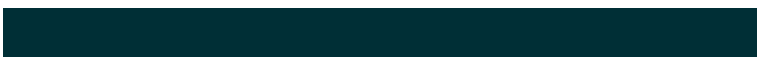
52.5919, 0.2648, 0.2773



16.7683, 0.2981, 0.3259



27.6266, 0.2132, 0.2874



2.2624, 0.2149, 0.2937

Inverse Universe

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



50.9996, 0.3234, 0.2649



54.9368, 0.3260, 0.2520



66.4791, 0.3645, 0.3757



15.2781, 0.3158, 0.3088



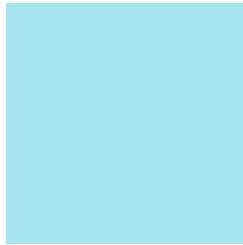
12.2817, 0.3566, 0.1738



0.9738, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 69.2098, 0.2693, 0.3184 looks on a white background.

Color Contrast Check

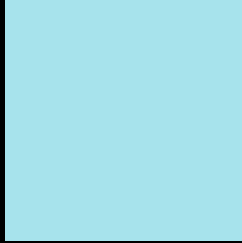
Large Text (above 18pt) WCAG AA × Fail

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 69.2098, 0.2693, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

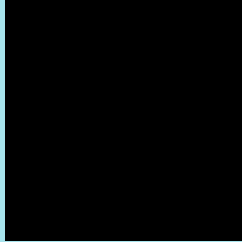
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.2098, 0.2693, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 69.2098, 0.2693, 0.3184.



This preview shows how white text looks on a background with the Yxy color 69.2098, 0.2693, 0.3184.

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

69.3594, 0.2661, 0.3082

Trichromacy



Original Color

69.2098, 0.2693, 0.3184

Protanomaly

68.4383, 0.2906, 0.3154

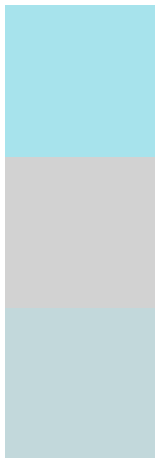
Deuteranomaly

68.2639, 0.2908, 0.3047

Tritanomaly

69.0684, 0.2671, 0.3115

Monochromacy



Original Color

69.2098, 0.2693, 0.3184

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.6955, 0.2952, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.2098, 0.2693, 0.3184 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(167, 227, 236)` looks like.

```
.text, #text, p{  
    color:rgb(167, 227, 236)  
}
```

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(167, 227, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 227, 236) }
```

Border

The CSS property to change the border of an element to Yxy 69.2098, 0.2693, 0.3184 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(167, 227, 236) }
```

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

```
.border{ border-color:rgb(167, 227, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 227, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 227, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 227, 236);  
box-shadow:4px 4px 4px 4px rgb(167, 227,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 69.2098, 0.2693, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 227, 236) }
```

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

```
.background{ background-color: rgb(167,  
227, 236) }
```

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