

Converting Colors

Yxy(68.9723, 0.2802, 0.3101)

Have a look what the booklet for
Yxy(68.9723, 0.2802, 0.3101)
contains.

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Color

Yxy(69.1070, 0.2802, 0.3108)

Conversions

Conversions Part 1

Format	Color
Hex	BCDEEE
RGB	188, 222, 238
RGB Percent	74%, 87%, 93%
CMY	0.2625, 0.1294, 0.0667
CMYK	0.21, 0.07, 0.00, 0.07
HSL	199°, 59%, 84%
HSV	199°, 21%, 93%
XYZ	62.3030, 69.1070, 90.9420
YIQ	213.6580, -25.4000, -2.2320

Conversions

Conversions Part 2

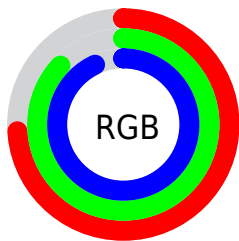
Format	Color
R _Y B	188, 208, 238
Decimal	12377838
CIE Lab	86.56, -7.72, -11.53
CIE LCh	87, 13.873, 236.193
Yxy	69.1070, 0.2802, 0.3108
Android (android.graphics.Color)	4290567918 (0xFFBCDEEE)
YUV	213.6580, 12.0006, -22.5021
Hunter-Lab	83.1306, -11.7001, -6.6697

Details

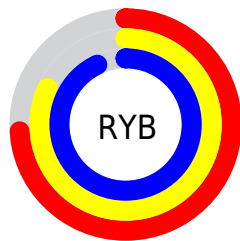
The Yxy color **69.1070, 0.2802, 0.3108** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **65.0278, 0.3514, 0.3465**, and the grayscale version is **66.9422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **36.0832, 0.2727, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **62.3700, 0.2650, 0.3008**, and if you desaturate by 10%, it is **76.5315, 0.2957, 0.3200**.

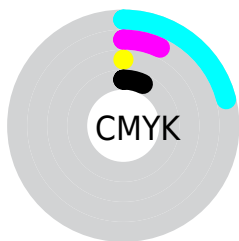
Distribution



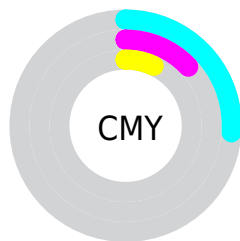
- Red (74%)
- Green (87%)
- Blue (93%)



- Red (74%)
- Yellow (82%)
- Blue (93%)



- Cyan (21%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)



- Cyan (26%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1070, 0.2802, 0.3108 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 69.1070, 0.2802, 0.3108 by changing the saturation by 10% instead.

■ 69.1070, 0.2802,
0.3108

■ 69.1070, 0.2802,
0.3108

■ 457.4083, 0.2952,
0.3194

■ 50.7989, 0.2768,
0.3088

■ 117.9344, 0.2854,
0.3138

■ 36.0486, 0.2725,
0.3062

■ 149.2224, 0.2874,
0.3150

■ 24.4717, 0.2672,
0.3030

■ 185.6059, 0.2892,
0.3160

■ 15.6839, 0.2602,
0.2987

■ 227.4692, 0.2907,
0.3169

■ 9.3007, 0.2508,
0.2927

■ 275.1966, 0.2920,
0.3176

■ 4.9379, 0.2372,
0.2839

■ 329.1727, 0.2932,

■ 2.2109, 0.2163,

0.3183

0.2696

389.7818, 0.2943,
0.3189

0.7259, 0.1688,
0.2443

0.0000, 0.0000,
0.0000

69.1070, 0.2802,
0.3108

69.1070, 0.2802,
0.3108

62.3700, 0.2650,
0.3008

76.5315, 0.2957,
0.3200

56.2852, 0.2503,
0.2901

84.6601, 0.3112,
0.3282

50.8266, 0.2367,
0.2786

92.6637, 0.3235,
0.3357

45.9625, 0.2244,
0.2667

97.3722, 0.3228,
0.3430

■ 41.6581, 0.2137,
0.2544

■ 98.9530, 0.3226,
0.3454

■ 37.8733, 0.2051,
0.2420

■ 34.5611, 0.1985,
0.2298

■ 31.9120, 0.1942,
0.2189

Harmonies

Analogous

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



69.1070, 0.2834, 0.3249



69.1070, 0.2802, 0.3108



69.1070, 0.2854, 0.3021

Triad

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



69.1070, 0.2802, 0.3108



69.1070, 0.3311, 0.3176



69.1070, 0.3272, 0.3589

Complementary

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



69.1070, 0.2802, 0.3108



65.0278, 0.3514, 0.3465

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.



69.1070, 0.3405, 0.3560



69.1070, 0.2802, 0.3108



69.1070, 0.3429, 0.3319

Square

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



69.1070, 0.2802, 0.3108



69.1070, 0.3145, 0.3063



69.1070, 0.3463, 0.3459



69.1070, 0.3102, 0.3533

Rectangle

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



69.1070, 0.2802, 0.3108



69.1070, 0.2930, 0.3003



69.1070, 0.3463, 0.3459



69.1070, 0.3322, 0.3589

Sweetspot

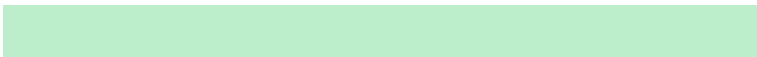
The Sweet Spot groups the original color and five complimentary colors.



69.1098, 0.2802, 0.3108



94.1236, 0.3034, 0.3242



76.2008, 0.3007, 0.3683



20.0134, 0.3024, 0.3236



0.0000, 0.0000, 0.0000



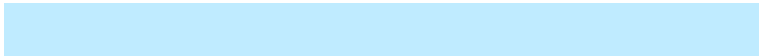
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.1098, 0.2802, 0.3108



77.4971, 0.2739, 0.3068



56.9021, 0.2782, 0.2817



17.0248, 0.2981, 0.3213



18.0478, 0.1947, 0.2208



1.6803, 0.1991, 0.2367

Inverse Universe

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



59.4423, 0.3274, 0.2929



64.6038, 0.3309, 0.2855



77.7621, 0.3462, 0.3723



15.9402, 0.3187, 0.3131



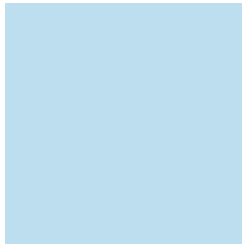
11.6153, 0.4224, 0.2100



0.9843, 0.4056, 0.2008

Previews

White Background



This preview shows how the Yxy color 69.1070, 0.2802, 0.3108 looks on a white background.

Color Contrast Check

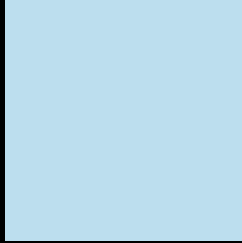
Large Text (above 18pt) WCAG AA × Fail

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 69.1070, 0.2802, 0.3108 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 69.1070, 0.2802, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 69.1070, 0.2802, 0.3108.

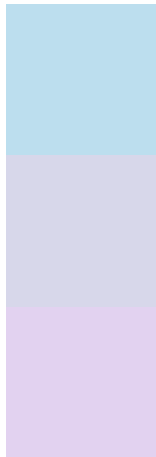


This preview shows how white text looks on a background with the Yxy color 69.1070, 0.2802, 0.3108.

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

69.1070, 0.2802, 0.3108

Protanopia

68.9885, 0.3002, 0.3083

Deuteranopia

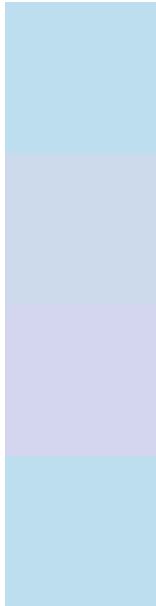
68.5532, 0.3041, 0.2972



Tritanopia

69.1659, 0.2796, 0.3097

Trichromacy



Original Color

69.1070, 0.2802, 0.3108

Protanomaly

69.1201, 0.2928, 0.3101

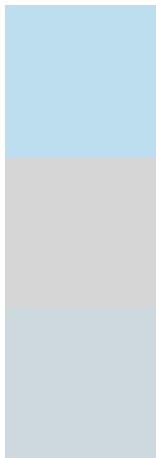
Deuteranomaly

68.3222, 0.2949, 0.3017

Tritanomaly

69.1659, 0.2796, 0.3097

Monochromacy



Original Color

69.1070, 0.2802, 0.3108

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.9326, 0.3003, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1070, 0.2802, 0.3108 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(188, 222, 238)` looks like.

```
.text, #text, p{  
    color:rgb(188, 222, 238)  
}
```

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(188, 222, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 222, 238) }
```

Border

The CSS property to change the border of an element to Yxy 69.1070, 0.2802, 0.3108 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(188, 222, 238) }
```

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

```
.border{ border-color:rgb(188, 222, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 222, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 222, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 222, 238); box-shadow:4px 4px 4px 4px rgb(188, 222, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1070, 0.2802, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 222, 238) }
```

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

```
.background{ background-color: rgb(188,  
222, 238) }
```

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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