

Converting Colors

Yxy(70.9451, 0.2802, 0.3166)

Have a look what the booklet for
Yxy(70.9451, 0.2802, 0.3166)
contains.

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Color

Yxy(70.9462, 0.2798, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	BAE2ED
RGB	186, 226, 237
RGB Percent	73%, 89%, 93%
CMY	0.2708, 0.1136, 0.0707
CMYK	0.22, 0.05, 0.00, 0.07
HSL	193°, 59%, 83%
HSV	193°, 22%, 93%
XYZ	62.7196, 70.9462, 90.4928
YIQ	215.2940, -27.3710, -5.0590

Conversions

Conversions Part 2

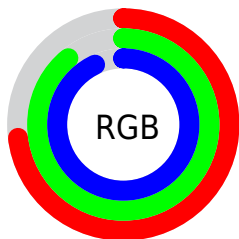
Format	Color
RYB	186, 208, 237
Decimal	12247789
CIELab	87.46, -10.64, -9.66
CIELCh	87, 14.372, 222.240
Yxy	70.9462, 0.2798, 0.3165
Android (android.graphics.Color)	4290437869 (0xFFBAE2ED)
YUV	215.2940, 10.7011, -25.6908
Hunter-Lab	84.2296, -14.4859, -4.7381

Details

The Yxy color **70.9462, 0.2798, 0.3165** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.4346, 0.3538, 0.3412**, and the grayscale version is **68.0992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **37.3675, 0.2724, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **65.4966, 0.2653, 0.3099**, and if you desaturate by 10%, it is **76.9759, 0.2949, 0.3226**.

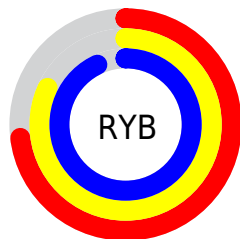
Distribution



Red (73%)

Green (89%)

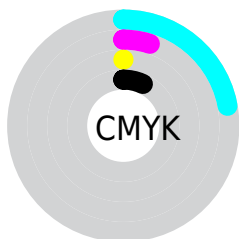
Blue (93%)



Red (73%)

Yellow (82%)

Blue (93%)

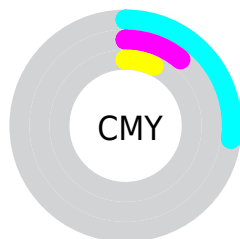


Cyan (22%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (27%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9462, 0.2798, 0.3165 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 70.9462, 0.2798, 0.3165 by changing the saturation by 10% instead.

70.9462, 0.2798,
0.3165

70.9462, 0.2798,
0.3165

463.8653, 0.2949,
0.3225

52.2983, 0.2764,
0.3151

120.5571, 0.2850,
0.3186

37.2429, 0.2721,
0.3133

152.2889, 0.2871,
0.3194

25.3956, 0.2668,
0.3110

189.1508, 0.2888,
0.3201

16.3720, 0.2598,
0.3079

231.5272, 0.2904,
0.3207

9.7878, 0.2505,
0.3037

279.8024, 0.2917,
0.3213

5.2585, 0.2371,
0.2972

334.3609, 0.2929,

2.3997, 0.2165,

0.3217

0.2867

395.5871, 0.2940,
0.3221

0.8257, 0.1714,
0.2696

0.0000, 0.0000,
0.0000

70.9462, 0.2798,
0.3165

70.9462, 0.2798,
0.3165

65.4966, 0.2653,
0.3099

76.9759, 0.2949,
0.3226

60.5935, 0.2517,
0.3028

83.6003, 0.3103,
0.3282

56.2127, 0.2394,
0.2953

90.4550, 0.3244,
0.3332

52.3246, 0.2287,
0.2876

93.5154, 0.3240,
0.3382

■ 48.8962, 0.2197,
0.2797

■ 96.6607, 0.3235,
0.3430

■ 45.8895, 0.2128,
0.2717

■ 98.8933, 0.3232,
0.3464

■ 43.2592, 0.2078,
0.2638

■ 41.2659, 0.2048,
0.2572

Harmonies

Analogous

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



70.9462, 0.2870, 0.3323



70.9462, 0.2798, 0.3165



70.9462, 0.2812, 0.3047

Triad

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



70.9462, 0.2798, 0.3165



70.9462, 0.3240, 0.3114



70.9462, 0.3346, 0.3594

Complementary

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



70.9462, 0.2798, 0.3165



61.4346, 0.3538, 0.3412

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.



70.9462, 0.3452, 0.3526



70.9462, 0.2798, 0.3165



70.9462, 0.3390, 0.3250

Square

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



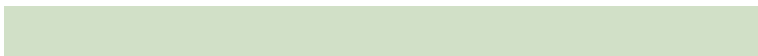
70.9462, 0.2798, 0.3165



70.9462, 0.3063, 0.3022



70.9462, 0.3468, 0.3400



70.9462, 0.3184, 0.3577

Rectangle

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



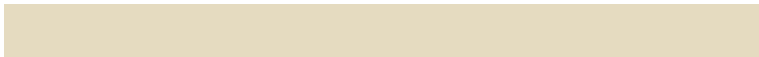
70.9462, 0.2798, 0.3165



70.9462, 0.2867, 0.3005



70.9462, 0.3468, 0.3400



70.9462, 0.3390, 0.3580

Sweetspot

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



70.9491, 0.2798, 0.3165



95.1341, 0.3034, 0.3258



74.9820, 0.3039, 0.3766



20.2526, 0.3024, 0.3254



0.0000, 0.0000, 0.0000



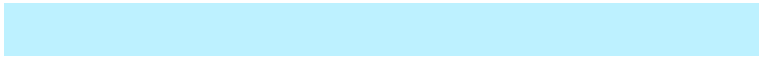
21.4041, 0.3127, 0.3290

Same Dimension

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



70.9491, 0.2798, 0.3165



80.7693, 0.2731, 0.3135



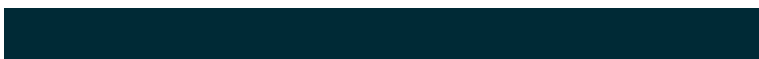
58.4389, 0.2777, 0.2874



16.5408, 0.2981, 0.3238



22.7333, 0.2051, 0.2585



1.9215, 0.2082, 0.2693

Inverse Universe

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



58.5887, 0.3236, 0.2864



63.8628, 0.3264, 0.2771



73.6116, 0.3484, 0.3674



15.2551, 0.3171, 0.3107



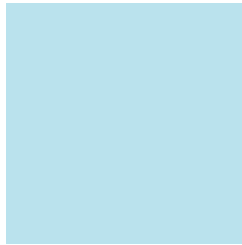
11.7878, 0.3839, 0.1888



0.9394, 0.3734, 0.1831

Previews

White Background



This preview shows how the Yxy color 70.9462, 0.2798, 0.3165 looks on a white background.

Color Contrast Check

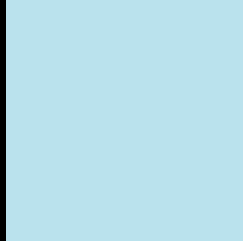
Large Text (above 18pt) WCAG AA × Fail

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 70.9462, 0.2798, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

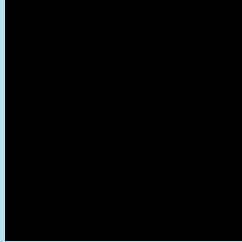
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.9462, 0.2798, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 70.9462, 0.2798, 0.3165.

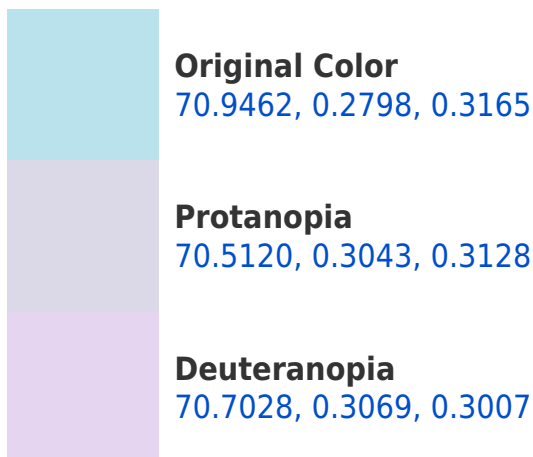


This preview shows how white text looks on a background with the Yxy color 70.9462, 0.2798, 0.3165.

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

70.8863, 0.2770, 0.3087

Trichromacy



Original Color

70.9462, 0.2798, 0.3165

Protanomaly

70.3923, 0.2948, 0.3135

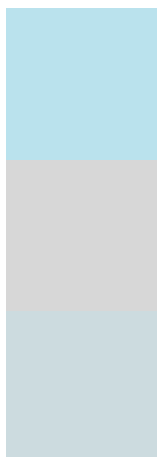
Deuteranomaly

70.6709, 0.2963, 0.3063

Tritanomaly

70.7661, 0.2781, 0.3109

Monochromacy



Original Color

70.9462, 0.2798, 0.3165

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.8281, 0.2996, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9462, 0.2798, 0.3165 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(186, 226, 237)` looks like.

```
.text, #text, p{  
    color:rgb(186, 226, 237)  
}
```

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(186, 226, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 226, 237) }
```

Border

The CSS property to change the border of an element to Yxy 70.9462, 0.2798, 0.3165 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(186, 226, 237) }
```

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

```
.border{ border-color:rgb(186, 226, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 226, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 226, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 226, 237);  
box-shadow:4px 4px 4px 4px rgb(186, 226,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9462, 0.2798, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 226, 237) }
```

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

```
.background{ background-color: rgb(186,  
226, 237) }
```

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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