

Converting Colors

$Yxy(70.8419, 0.2800, 0.3129)$

Have a look what the booklet for
Yxy(70.8419, 0.2800, 0.3129)
contains.

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Color

Yxy(70.7738, 0.2798, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	BCE1EF
RGB	188, 225, 239
RGB Percent	74%, 88%, 94%
CMY	0.2628, 0.1176, 0.0626
CMYK	0.21, 0.06, 0.00, 0.06
HSL	197°, 62%, 84%
HSV	197°, 21%, 94%
XYZ	63.2466, 70.7738, 92.0218
YIQ	215.5330, -26.5460, -3.4900

Conversions

Conversions Part 2

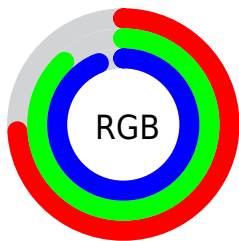
Format	Color
R _Y B	188, 209, 239
Decimal	12378607
CIE Lab	87.37, -9.06, -10.86
CIE LCh	87, 14.144, 230.152
Yxy	70.7738, 0.2798, 0.3131
Android (android.graphics.Color)	4290568687 (0xFFBCE1EF)
YUV	215.5330, 11.5692, -24.1464
Hunter-Lab	84.1272, -13.0267, -5.9648

Details

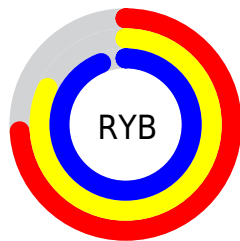
The Yxy color **70.7738, 0.2798, 0.3131** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64.2433, 0.3528, 0.3444**, and the grayscale version is **68.2703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **37.2367, 0.2724, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **64.5019, 0.2649, 0.3046**, and if you desaturate by 10%, it is **77.6912, 0.2952, 0.3210**.

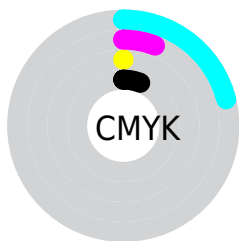
Distribution



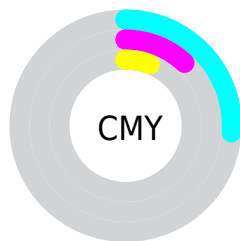
- Red (74%)
- Green (88%)
- Blue (94%)



- Red (74%)
- Yellow (82%)
- Blue (94%)



- Cyan (21%)
- Magenta (6%)
- Yellow (0%)
- Black (6%)



- Cyan (26%)
- Magenta (12%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7738, 0.2798, 0.3131 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 70.7738, 0.2798, 0.3131 by changing the saturation by 10% instead.

■ 70.7738, 0.2798,
0.3131

■ 70.7738, 0.2798,
0.3131

463.2623, 0.2949,
0.3207

■ 52.1576, 0.2764,
0.3113

■ 120.3116, 0.2850,
0.3158

■ 37.1307, 0.2721,
0.3091

152.0020, 0.2871,
0.3168

■ 25.3087, 0.2668,
0.3063

188.8192, 0.2888,
0.3177

■ 16.3072, 0.2598,
0.3025

231.1478, 0.2904,
0.3184

■ 9.7418, 0.2504,
0.2973

279.3719, 0.2917,
0.3191

■ 5.2281, 0.2371,
0.2895

333.8762, 0.2929,

■ 2.3817, 0.2165,

0.3197

0.2769

395.0448, 0.2940,
0.3202

0.8165, 0.1737,
0.2556

0.0000, 0.0000,
0.0000

70.7738, 0.2798,
0.3131

70.7738, 0.2798,
0.3131

64.5019, 0.2649,
0.3046

77.6912, 0.2952,
0.3210

58.8404, 0.2507,
0.2954

85.2698, 0.3106,
0.3281

53.7640, 0.2376,
0.2857

92.6332, 0.3229,
0.3345

49.2415, 0.2260,
0.2755

96.6759, 0.3223,
0.3409

■ 45.2385, 0.2162,
0.2652

■ 99.0146, 0.3220,
0.3444

■ 41.7153, 0.2083,
0.2547

■ 38.6249, 0.2024,
0.2443

■ 36.2390, 0.1987,
0.2355

Harmonies

Analogous

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



70.7738, 0.2847, 0.3280



70.7738, 0.2798, 0.3131



70.7738, 0.2834, 0.3030

Triad

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



70.7738, 0.2798, 0.3131



70.7738, 0.3282, 0.3148



70.7738, 0.3305, 0.3594

Complementary

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



70.7738, 0.2798, 0.3131



64.2433, 0.3528, 0.3444

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.



70.7738, 0.3427, 0.3547



70.7738, 0.2798, 0.3131



70.7738, 0.3415, 0.3290

Square

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



70.7738, 0.2798, 0.3131



70.7738, 0.3110, 0.3044



70.7738, 0.3468, 0.3435



70.7738, 0.3137, 0.3554

Rectangle

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



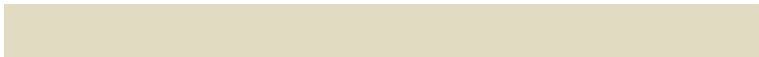
70.7738, 0.2798, 0.3131



70.7738, 0.2902, 0.3002



70.7738, 0.3468, 0.3435



70.7738, 0.3353, 0.3587

Sweetspot

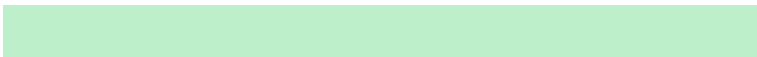
The Sweet Spot groups the original color and five complimentary colors.



70.7767, 0.2798, 0.3131



94.5575, 0.3034, 0.3249



76.6942, 0.3020, 0.3722



20.1161, 0.3024, 0.3244



0.0000, 0.0000, 0.0000



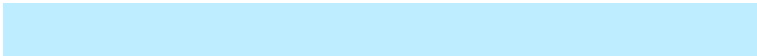
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7767, 0.2798, 0.3131



78.4340, 0.2727, 0.3091



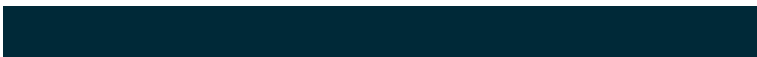
58.1872, 0.2777, 0.2837



17.1510, 0.2981, 0.3224



20.2487, 0.1992, 0.2371



1.8498, 0.2030, 0.2506

Inverse Universe

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



59.7561, 0.3259, 0.2898



63.6271, 0.3294, 0.2809



76.9987, 0.3474, 0.3705



15.9529, 0.3180, 0.3120



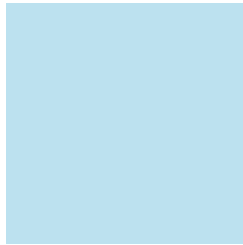
11.8375, 0.4053, 0.2006



1.0015, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 70.7738, 0.2798, 0.3131 looks on a white background.

Color Contrast Check

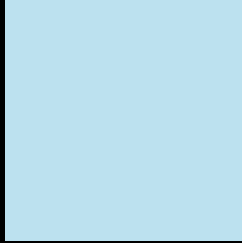
Large Text (above 18pt) WCAG AA × Fail

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 70.7738, 0.2798, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

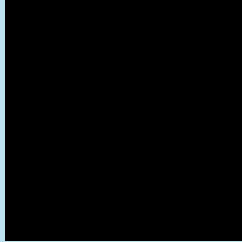
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7738, 0.2798, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 70.7738, 0.2798, 0.3131.

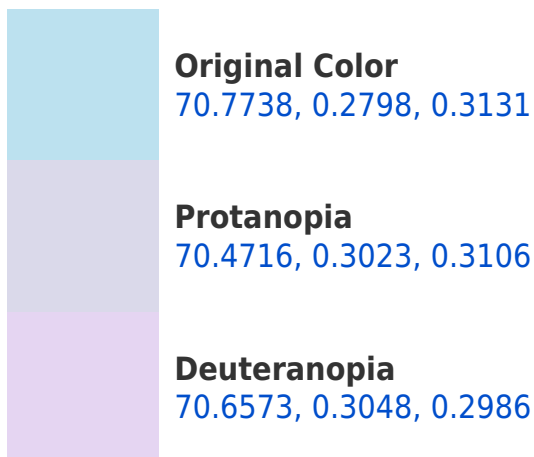


This preview shows how white text looks on a background with the Yxy color 70.7738, 0.2798, 0.3131.

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

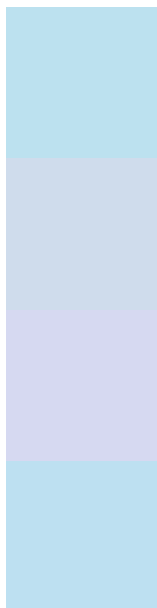




Tritanopia

70.5409, 0.2787, 0.3087

Trichromacy



Original Color

70.7738, 0.2798, 0.3131

Protanomaly

70.5079, 0.2935, 0.3114

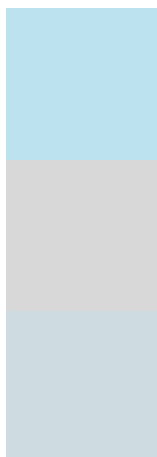
Deuteranomaly

70.2727, 0.2951, 0.3031

Tritanomaly

70.4810, 0.2792, 0.3098

Monochromacy



Original Color

70.7738, 0.2798, 0.3131

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.1667, 0.3003, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7738, 0.2798, 0.3131 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, 225, 239)` looks like.

```
.text, #text, p{  
    color:rgb(188, 225, 239)  
}
```

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, 225, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 225, 239) }
```

Border

The CSS property to change the border of an element to Yxy 70.7738, 0.2798, 0.3131 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, 225, 239) }
```

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

```
.border{ border-color:rgb(188, 225, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 225, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 225, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 225, 239);  
box-shadow:4px 4px 4px 4px rgb(188, 225,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7738, 0.2798, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 225, 239) }
```

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

```
.background{ background-color: rgb(188,  
225, 239) }
```

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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