

Converting Colors

$Yxy(70.7003, 0.2778, 0.3192)$

Have a look what the booklet for
Yxy(70.7003, 0.2778, 0.3192)
contains.

Yxy(70.7601, 0.2780, 0.3198)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.7601, 0.2780, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	B5E3EB
RGB	181, 227, 235
RGB Percent	71%, 89%, 92%
CMY	0.2903, 0.1097, 0.0785
CMYK	0.23, 0.03, 0.00, 0.08
HSL	189°, 57%, 82%
HSV	189°, 23%, 92%
XYZ	61.5113, 70.7601, 88.9922
YIQ	214.1580, -29.9840, -7.2640

Conversions

Conversions Part 2

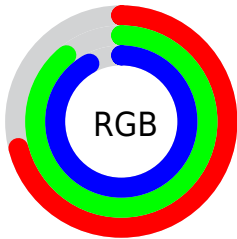
Format	Color
R _Y B	181, 206, 235
Decimal	11920363
CIE Lab	87.37, -13.06, -8.77
CIE LCh	87, 15.736, 213.882
Yxy	70.7601, 0.2780, 0.3198
Android (android.graphics.Color)	4290110443 (0xFFB5E3EB)
YUV	214.1580, 10.2751, -29.0796
Hunter-Lab	84.1190, -16.6818, -3.8415

Details

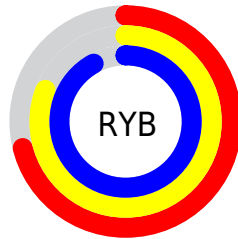
The Yxy color **70.7601, 0.2780, 0.3198** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.3562, 0.3581, 0.3380**, and the grayscale version is **67.2984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **37.2717, 0.2702, 0.3183** is the 20% darker color. If you saturate the color by 10%, you get **66.2832, 0.2641, 0.3153**, and if you desaturate by 10%, it is **75.7598, 0.2928, 0.3240**.

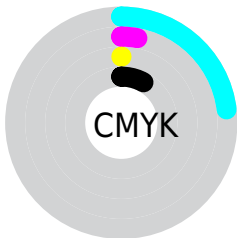
Distribution



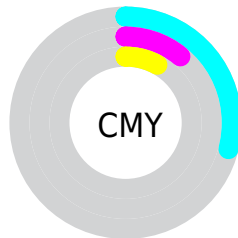
- Red (71%)
- Green (89%)
- Blue (92%)



- Red (71%)
- Yellow (81%)
- Blue (92%)



- Cyan (23%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)





- Cyan (29%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7601, 0.2780, 0.3198 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 70.7601, 0.2780, 0.3198 by changing the saturation by 10% instead.


 70.7601, 0.2780,
0.3198

 70.7601, 0.2780,
0.3198


463.2144, 0.2940,
0.3243

 52.1464, 0.2744,
0.3187


 120.2921, 0.2835,
0.3214

 37.1218, 0.2699,
0.3173


151.9792, 0.2857,
0.3220

 25.3018, 0.2643,
0.3156


188.7929, 0.2875,
0.3225

 16.3021, 0.2570,
0.3132

231.1176, 0.2892,
0.3230

 9.7382, 0.2470,
0.3097

279.3377, 0.2906,
0.3234

 5.2257, 0.2329,
0.3045

333.8376, 0.2918,

 2.3803, 0.2113,

0.3237

0.2958

395.0017, 0.2930,
0.3240

0.8157, 0.1585,
0.2833

0.0000, 0.0000,
0.0000

70.7601, 0.2780,
0.3198

70.7601, 0.2780,
0.3198

66.2832, 0.2641,
0.3153

75.7598, 0.2928,
0.3240

62.2963, 0.2513,
0.3104

81.2963, 0.3081,
0.3279

58.7759, 0.2400,
0.3054

87.3935, 0.3237,
0.3314

55.6931, 0.2305,
0.3002

90.0878, 0.3257,
0.3348

■ 53.0154, 0.2228,
0.2949

■ 92.1559, 0.3254,
0.3382

■ 50.7052, 0.2170,
0.2896

■ 94.2631, 0.3251,
0.3415

■ 48.7175, 0.2132,
0.2844

■ 96.4097, 0.3248,
0.3448

■ 47.4660, 0.2113,
0.2808

■ 98.5959, 0.3244,
0.3481

■ 98.7766, 0.3244,
0.3483

Harmonies

Analogous

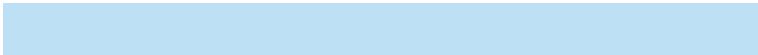
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7601, 0.2882, 0.3376



70.7601, 0.2780, 0.3198



70.7601, 0.2768, 0.3053

Triad

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



70.7601, 0.2780, 0.3198



70.7601, 0.3197, 0.3063



70.7601, 0.3408, 0.3611

Complementary

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



70.7601, 0.2780, 0.3198



57.3562, 0.3581, 0.3380

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.



70.7601, 0.3499, 0.3515



70.7601, 0.2780, 0.3198



70.7601, 0.3376, 0.3201

Square

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



70.7601, 0.2780, 0.3198



70.7601, 0.3005, 0.2982



70.7601, 0.3487, 0.3364



70.7601, 0.3242, 0.3621

Rectangle

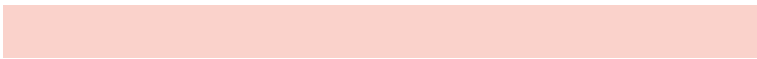
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7601, 0.2780, 0.3198



70.7601, 0.2813, 0.2993



70.7601, 0.3487, 0.3364



70.7601, 0.3448, 0.3587

Sweetspot

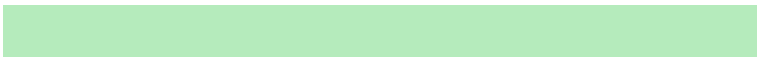
The Sweet Spot groups the original color and five complimentary colors.



70.7630, 0.2780, 0.3198



95.1035, 0.3018, 0.3264



72.8596, 0.3054, 0.3847



20.2690, 0.3009, 0.3262



0.0000, 0.0000, 0.0000



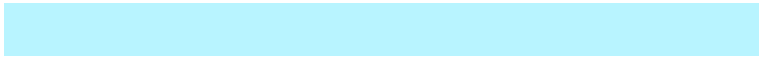
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7630, 0.2780, 0.3198



82.3505, 0.2707, 0.3175



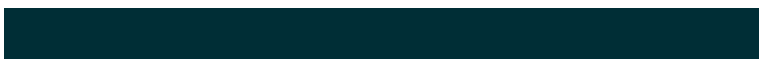
57.4827, 0.2756, 0.2887



16.7215, 0.2981, 0.3254



26.5717, 0.2116, 0.2816



2.1896, 0.2136, 0.2888

Inverse Universe

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



56.2393, 0.3216, 0.2798



61.9358, 0.3239, 0.2686



69.6809, 0.3518, 0.3663



15.2734, 0.3160, 0.3091



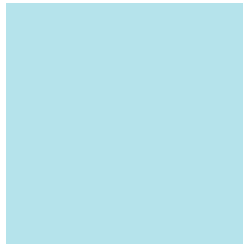
12.1752, 0.3620, 0.1768



0.9665, 0.3554, 0.1731

Previews

White Background



This preview shows how the Yxy color 70.7601, 0.2780, 0.3198 looks on a white background.

Color Contrast Check

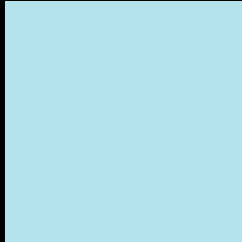
Large Text (above 18pt) WCAG AA × Fail

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 70.7601, 0.2780, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

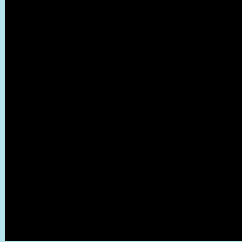
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7601, 0.2780, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 70.7601, 0.2780, 0.3198.

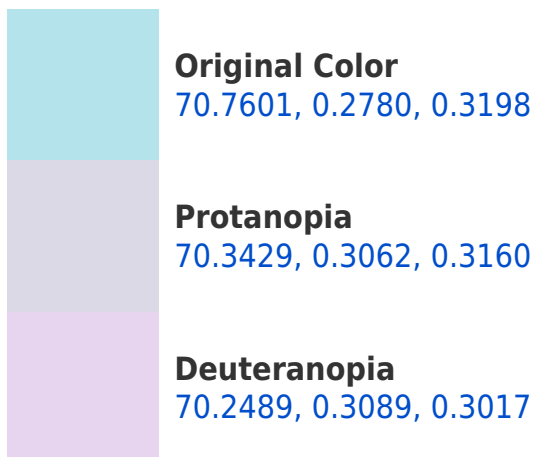


This preview shows how white text looks on a background with the Yxy color 70.7601, 0.2780, 0.3198.

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

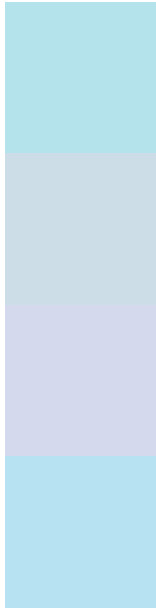




Tritanopia

70.9916, 0.2741, 0.3086

Trichromacy



Original Color

70.7601, 0.2780, 0.3198

Protanomaly

70.4616, 0.2953, 0.3179

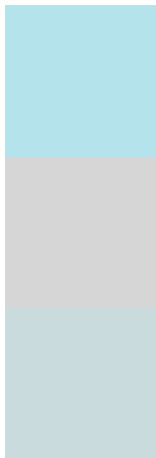
Deuteranomaly

69.8863, 0.2969, 0.3072

Tritanomaly

70.6887, 0.2752, 0.3119

Monochromacy



Original Color

70.7601, 0.2780, 0.3198

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.4935, 0.2989, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7601, 0.2780, 0.3198 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(181, 227, 235)` looks like.

```
.text, #text, p{  
    color:rgb(181, 227, 235)  
}
```

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(181, 227, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 227, 235) }
```

Border

The CSS property to change the border of an element to Yxy 70.7601, 0.2780, 0.3198 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(181, 227, 235) }
```

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

```
.border{ border-color:rgb(181, 227, 235) }
```

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

Here you see how a box with a 4 pixel rgb(181, 227, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 227, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 227, 235);  
box-shadow:4px 4px 4px 4px rgb(181, 227,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7601, 0.2780, 0.3198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 227, 235) }
```

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

```
.background{ background-color: rgb(181,  
227, 235) }
```

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