

Converting Colors

$Y_{xy}(72.1080, 0.2765, 0.3245)$

Have a look what the booklet for
Yxy(72.1080, 0.2765, 0.3245)
contains.

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Color

Yxy(71.8813, 0.2765, 0.3243)

Conversions

Conversions Part 1

Format	Color
Hex	B1E6EA
RGB	177, 230, 234
RGB Percent	69%, 90%, 92%
CMY	0.3057, 0.0981, 0.0824
CMYK	0.24, 0.02, 0.00, 0.08
HSL	184°, 58%, 81%
HSV	184°, 24%, 92%
XYZ	61.2864, 71.8813, 88.4829
YIQ	214.6090, -32.8720, -9.9920

Conversions

Conversions Part 2

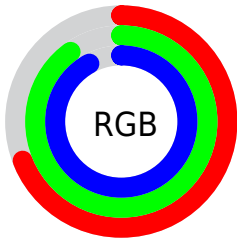
Format	Color
RYB	177, 204, 234
Decimal	11658986
CIELab	87.91, -15.93, -7.48
CIELCh	88, 17.600, 205.146
Yxy	71.8813, 0.2765, 0.3243
Android (android.graphics.Color)	4289849066 (0xFFB1E6EA)
YUV	214.6090, 9.5598, -32.9831
Hunter-Lab	84.7828, -19.3389, -2.5295

Details

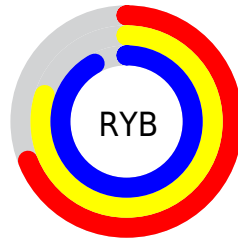
The Yxy color **71.8813, 0.2765, 0.3243** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.7351, 0.3626, 0.3336**, and the grayscale version is **67.6350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **37.6974, 0.2684, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **68.4563, 0.2633, 0.3221**, and if you desaturate by 10%, it is **75.7919, 0.2908, 0.3263**.

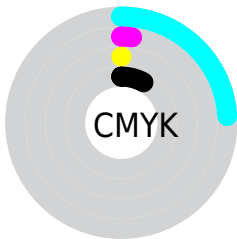
Distribution



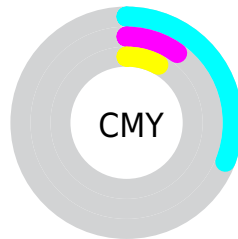
- Red (69%)
- Green (90%)
- Blue (92%)



- Red (69%)
- Yellow (80%)
- Blue (92%)



- Cyan (24%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)



- Cyan (31%)
- Magenta (10%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8813, 0.2765, 0.3243 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 71.8813, 0.2765, 0.3243 by changing the saturation by 10% instead.

■ 71.8813, 0.2765,
0.3243

■ 71.8813, 0.2765,
0.3243

467.1283, 0.2931,
0.3267

■ 53.0617, 0.2727,
0.3237

■ 121.8878, 0.2822,
0.3252

■ 37.8520, 0.2681,
0.3229

153.8434, 0.2845,
0.3255

■ 25.8679, 0.2623,
0.3219

190.9466, 0.2864,
0.3258

■ 16.7248, 0.2547,
0.3204

233.5816, 0.2881,
0.3260

■ 10.0385, 0.2445,
0.3183

282.1329, 0.2896,
0.3262

■ 5.4245, 0.2300,
0.3150

336.9848, 0.2909,

■ 2.4984, 0.2078,

0.3264

398.5219, 0.2921,
0.3266

0.3091

0.8758, 0.1534,
0.3029

0.0000, 0.0000,
0.0000

71.8813, 0.2765,
0.3243

71.8813, 0.2765,
0.3243

68.4563, 0.2633,
0.3221

75.7919, 0.2908,
0.3263

65.4842, 0.2515,
0.3198


80.2017, 0.3060,
0.3282

62.9416, 0.2413,
0.3175

85.1345, 0.3216,
0.3300

60.7997, 0.2330,
0.3151

87.5212, 0.3268,
0.3316


 59.0260, 0.2266,
0.3127


 88.4753, 0.3266,
0.3332

 57.5828, 0.2221,
0.3103


 89.4382, 0.3264,
0.3348

 56.4239, 0.2195,
0.3079

 90.4098, 0.3263,
0.3364

 55.8537, 0.2185,
0.3066

 91.3902, 0.3261,
0.3380

 92.3795, 0.3260,
0.3396

Harmonies

Analogous

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



71.8813, 0.2902, 0.3442



71.8813, 0.2765, 0.3243



71.8813, 0.2722, 0.3066

Triad

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



71.8813, 0.2765, 0.3243



71.8813, 0.3141, 0.3005



71.8813, 0.3479, 0.3624

Complementary

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



71.8813, 0.2765, 0.3243



53.7351, 0.3626, 0.3336

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.



71.8813, 0.3550, 0.3494



71.8813, 0.2765, 0.3243



71.8813, 0.3351, 0.3142

Square

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



71.8813, 0.2765, 0.3243



71.8813, 0.2934, 0.2937



71.8813, 0.3503, 0.3318



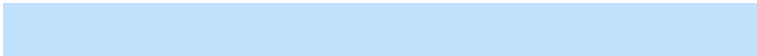
71.8813, 0.3314, 0.3667

Rectangle

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



71.8813, 0.2765, 0.3243



71.8813, 0.2751, 0.2984



71.8813, 0.3503, 0.3318



71.8813, 0.3515, 0.3589

Sweetspot

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



71.8842, 0.2765, 0.3243



95.9728, 0.3018, 0.3277



71.5263, 0.3072, 0.3932



20.4709, 0.3009, 0.3276



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.



71.8842, 0.2765, 0.3243



85.2995, 0.2700, 0.3233



57.4049, 0.2736, 0.2906



16.9301, 0.2981, 0.3273



31.4654, 0.2186, 0.3069



2.5252, 0.2195, 0.3102

Inverse Universe

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



54.6674, 0.3187, 0.2724



61.2179, 0.3200, 0.2612



66.4254, 0.3554, 0.3646



15.2944, 0.3149, 0.3074



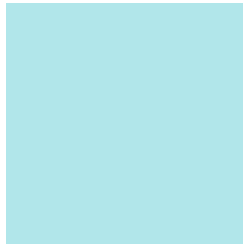
12.6693, 0.3393, 0.1643



1.0003, 0.3365, 0.1627

Previews

White Background



This preview shows how the Yxy color 71.8813, 0.2765, 0.3243 looks on a white background.

Color Contrast Check

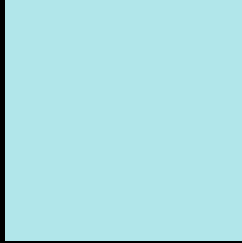
Large Text (above 18pt) WCAG AA × Fail

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 71.8813, 0.2765, 0.3243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

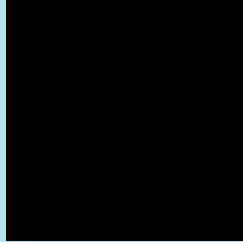
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8813, 0.2765, 0.3243

Background



This preview shows how black text looks on a background with the Yxy color 71.8813, 0.2765, 0.3243.

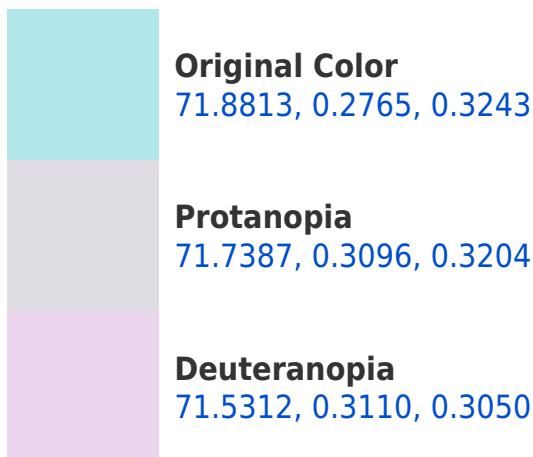


This preview shows how white text looks on a background with the Yxy color 71.8813, 0.2765, 0.3243.

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

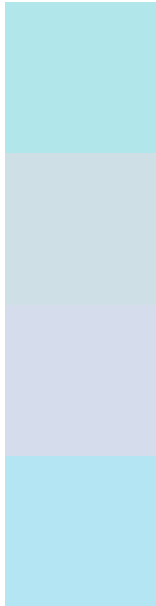




Tritanopia

71.8439, 0.2715, 0.3086

Trichromacy



Original Color

71.8813, 0.2765, 0.3243

Protanomaly

71.6103, 0.2966, 0.3212

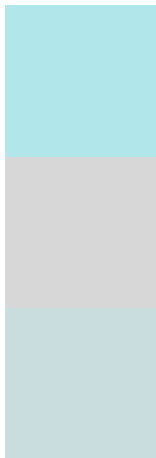
Deuteranomaly

71.3887, 0.2976, 0.3116

Tritanomaly

72.0331, 0.2732, 0.3142

Monochromacy



Original Color

71.8813, 0.2765, 0.3243

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.8778, 0.2982, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8813, 0.2765, 0.3243 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(177, 230, 234)` looks like.

```
.text, #text, p{  
    color:rgb(177, 230, 234)  
}
```

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(177, 230, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 230, 234) }
```

Border

The CSS property to change the border of an element to Yxy 71.8813, 0.2765, 0.3243 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(177, 230, 234) }
```

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

```
.border{ border-color:rgb(177, 230, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 230, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 230, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 230, 234);  
box-shadow:4px 4px 4px 4px rgb(177, 230,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8813, 0.2765, 0.3243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 230, 234) }
```

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

```
.background{ background-color: rgb(177,  
230, 234) }
```

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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