

Converting Colors

$Yxy(68.8892, 0.2782, 0.3223)$

Have a look what the booklet for
Yxy(68.8892, 0.2782, 0.3223)
contains.

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Color

Yxy(68.9107, 0.2782, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	B1E1E6
RGB	177, 225, 230
RGB Percent	69%, 88%, 90%
CMY	0.3060, 0.1176, 0.0980
CMYK	0.23, 0.02, 0.00, 0.10
HSL	186°, 51%, 80%
HSV	186°, 23%, 90%
XYZ	59.3344, 68.9107, 85.0347
YIQ	211.2180, -30.2130, -8.6210

Conversions

Conversions Part 2

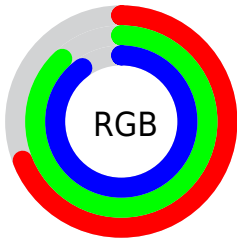
Format	Color
R _Y B	177, 202, 230
Decimal	11657702
CIE Lab	86.46, -14.31, -7.52
CIE LCh	86, 16.169, 207.736
Yxy	68.9107, 0.2782, 0.3231
Android (android.graphics.Color)	4289847782 (0xFFB1E1E6)
YUV	211.2180, 9.2595, -30.0092
Hunter-Lab	83.0125, -17.6862, -2.6256

Details

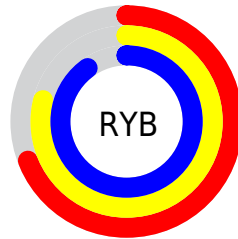
The Yxy color **68.9107, 0.2782, 0.3231** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.4363, 0.3589, 0.3348**, and the grayscale version is **65.2438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **36.0555, 0.2697, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **65.2745, 0.2647, 0.3202**, and if you desaturate by 10%, it is **73.0225, 0.2927, 0.3258**.

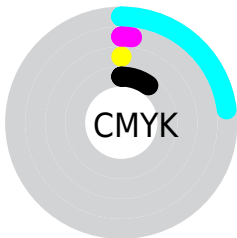
Distribution



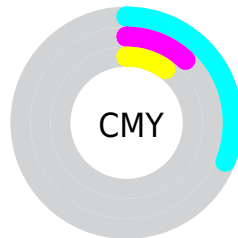
- Red (69%)
- Green (88%)
- Blue (90%)



- Red (69%)
- Yellow (79%)
- Blue (90%)



- Cyan (23%)
- Magenta (2%)
- Yellow (0%)
- Black (10%)



- Cyan (31%)
- Magenta (12%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9107, 0.2782, 0.3231 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 68.9107, 0.2782, 0.3231 by changing the saturation by 10% instead.

68.9107, 0.2782,
0.3231

68.9107, 0.2782,
0.3231

456.7160, 0.2942,
0.3261

50.6390, 0.2746,
0.3224

117.6540, 0.2837,
0.3242

35.9214, 0.2701,
0.3214

148.8944, 0.2859,
0.3246

24.3735, 0.2644,
0.3202

185.2265, 0.2877,
0.3249

15.6109, 0.2569,
0.3184

227.0347, 0.2894,
0.3252

9.2492, 0.2468,
0.3160

274.7033, 0.2908,
0.3255

4.9041, 0.2323,
0.3120

328.6168, 0.2920,

2.1911, 0.2098,

0.3257

0.3051

389.1595, 0.2932,
0.3259

0.7151, 0.1381,
0.2990

0.0000, 0.0000,
0.0000

68.9107, 0.2782,
0.3231

68.9107, 0.2782,
0.3231

65.2745, 0.2647,
0.3202

73.0225, 0.2927,
0.3258

62.0825, 0.2524,
0.3172

77.6227, 0.3080,
0.3283

59.3128, 0.2418,
0.3140

82.7341, 0.3236,
0.3305

56.9381, 0.2329,
0.3108

85.6281, 0.3296,
0.3327

■ 54.9276, 0.2260,
0.3075

■ 86.8652, 0.3294,
0.3348

■ 53.2460, 0.2209,
0.3042

■ 88.1174, 0.3292,
0.3369

■ 51.8504, 0.2178,
0.3010

■ 89.3847, 0.3289,
0.3390

■ 51.0025, 0.2163,
0.2988

■ 90.6673, 0.3287,
0.3411

■ 91.9650, 0.3285,
0.3432

Harmonies

Analogous

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



68.9107, 0.2904, 0.3416



68.9107, 0.2782, 0.3231



68.9107, 0.2750, 0.3070

Triad

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



68.9107, 0.2782, 0.3231



68.9107, 0.3158, 0.3032



68.9107, 0.3445, 0.3609

Complementary

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



68.9107, 0.2782, 0.3231



53.4363, 0.3589, 0.3348

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.



68.9107, 0.3519, 0.3494



68.9107, 0.2782, 0.3231



68.9107, 0.3351, 0.3165

Square

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



68.9107, 0.2782, 0.3231



68.9107, 0.2962, 0.2963



68.9107, 0.3485, 0.3332



68.9107, 0.3285, 0.3639

Rectangle

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



68.9107, 0.2782, 0.3231



68.9107, 0.2783, 0.2997



68.9107, 0.3485, 0.3332



68.9107, 0.3481, 0.3578

Sweetspot

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



68.9135, 0.2782, 0.3231



95.7037, 0.3018, 0.3273



69.2893, 0.3070, 0.3882



20.4084, 0.3009, 0.3272



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.



68.9135, 0.2782, 0.3231



84.6705, 0.2711, 0.3217



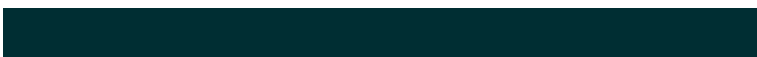
55.9351, 0.2757, 0.2919



16.0924, 0.2982, 0.3267



28.9729, 0.2165, 0.2993



2.2089, 0.2178, 0.3040

Inverse Universe

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



53.6936, 0.3193, 0.2768



62.1700, 0.3210, 0.2651



65.0615, 0.3526, 0.3635



14.5906, 0.3152, 0.3080



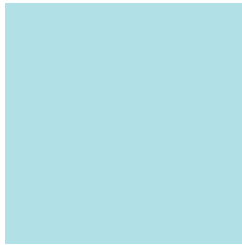
12.1225, 0.3460, 0.1680



0.9027, 0.3419, 0.1657

Previews

White Background



This preview shows how the Yxy color 68.9107, 0.2782, 0.3231 looks on a white background.

Color Contrast Check

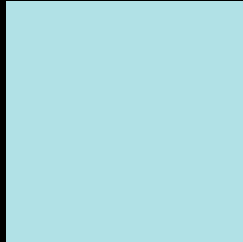
Large Text (above 18pt) WCAG AA × Fail

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 68.9107, 0.2782, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

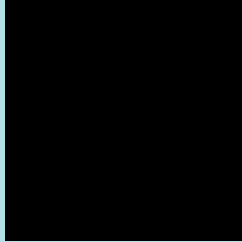
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.9107, 0.2782, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 68.9107, 0.2782, 0.3231.

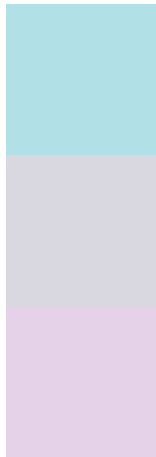


This preview shows how white text looks on a background with the Yxy color 68.9107, 0.2782, 0.3231.

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

68.9107, 0.2782, 0.3231

Protanopia

68.7344, 0.3081, 0.3191

Deuteranopia

68.6344, 0.3109, 0.3046



Tritanopia

68.7099, 0.2731, 0.3083

Trichromacy



Original Color

68.9107, 0.2782, 0.3231

Protanomaly

68.7106, 0.2963, 0.3211

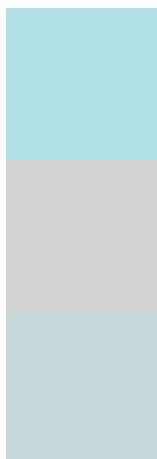
Deuteranomaly

68.1287, 0.2980, 0.3102

Tritanomaly

68.8907, 0.2748, 0.3139

Monochromacy



Original Color

68.9107, 0.2782, 0.3231

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.3158, 0.2993, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9107, 0.2782, 0.3231 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, 225, 230)` looks like.

```
.text, #text, p{  
    color:rgb(177, 225, 230)  
}
```

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, 225, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 225, 230) }
```

Border

The CSS property to change the border of an element to Yxy 68.9107, 0.2782, 0.3231 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, 225, 230) }
```

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

```
.border{ border-color:rgb(177, 225, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 225, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 225, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 225, 230);  
box-shadow:4px 4px 4px 4px rgb(177, 225,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9107, 0.2782, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 225, 230) }
```

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

```
.background{ background-color: rgb(177,  
225, 230) }
```

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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