

Converting Colors

$Yxy(67.3028, 0.2779, 0.3196)$

Have a look what the booklet for
Yxy(67.3028, 0.2779, 0.3196)
contains.

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Color

Yxy(67.3028, 0.2779, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	B1DEE6
RGB	177, 222, 230
RGB Percent	69%, 87%, 90%
CMY	0.3062, 0.1293, 0.0981
CMYK	0.23, 0.03, 0.00, 0.10
HSL	189°, 51%, 80%
HSV	189°, 23%, 90%
XYZ	58.5214, 67.3028, 84.7603
YIQ	209.4570, -29.3880, -7.0520

Conversions

Conversions Part 2

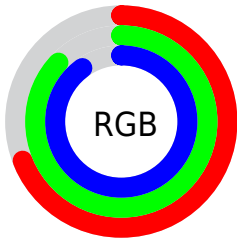
Format	Color
R _Y B	177, 201, 230
Decimal	11656934
CIE Lab	85.66, -12.81, -8.71
CIE LCh	86, 15.491, 214.218
Yxy	67.3028, 0.2779, 0.3196
Android (android.graphics.Color)	4289847014 (0xFFB1DEE6)
YUV	209.4570, 10.1277, -28.4648
Hunter-Lab	82.0383, -16.2353, -3.8304

Details

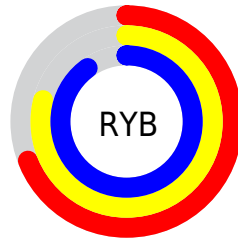
The Yxy color **67.3028, 0.2779, 0.3196** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.6460, 0.3582, 0.3382**, and the grayscale version is **64.0139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **34.9435, 0.2692, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **63.0141, 0.2640, 0.3150**, and if you desaturate by 10%, it is **72.0896, 0.2927, 0.3239**.

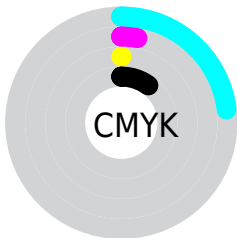
Distribution



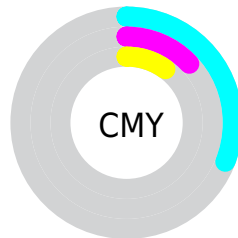
- Red (69%)
- Green (87%)
- Blue (90%)



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



- Cyan (23%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



- Cyan (31%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3028, 0.2779, 0.3196 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 67.3028, 0.2779, 0.3196 by changing the saturation by 10% instead.

■ 67.3028, 0.2779,
0.3196

■ 67.3028, 0.2779,
0.3196

451.0218, 0.2941,
0.3242

■ 49.3307, 0.2742,
0.3185

■ 115.3542, 0.2835,
0.3213

■ 34.8819, 0.2696,
0.3170

146.2023, 0.2857,
0.3219

■ 23.5719, 0.2638,
0.3152

182.1112, 0.2876,
0.3224

■ 15.0164, 0.2562,
0.3126

223.4654, 0.2892,
0.3229

■ 8.8309, 0.2459,
0.3090

270.6491, 0.2906,
0.3233

■ 4.6310, 0.2309,
0.3034

324.0468, 0.2919,

■ 2.0325, 0.2077,

0.3236

0.2937

384.0429, 0.2930,
0.3240

0.6262, 0.1262,
0.2798

0.0000, 0.0000,
0.0000

67.3028, 0.2779,
0.3196

67.3028, 0.2779,
0.3196

63.0141, 0.2640,
0.3150

72.0896, 0.2927,
0.3239

59.1923, 0.2512,
0.3101

77.3877, 0.3080,
0.3279

55.8151, 0.2399,
0.3049

83.2199, 0.3235,
0.3314

52.8549, 0.2303,
0.2996

86.8683, 0.3294,
0.3348

■ 50.2810, 0.2226,
0.2943

■ 88.8742, 0.3290,
0.3382

■ 48.0578, 0.2168,
0.2889

■ 90.9188, 0.3287,
0.3415

■ 46.1422, 0.2130,
0.2835

■ 93.0022, 0.3283,
0.3449

■ 44.9486, 0.2111,
0.2799

■ 95.1246, 0.3279,
0.3482

■ 97.2864, 0.3276,
0.3514

Harmonies

Analogous

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



67.3028, 0.2880, 0.3374



67.3028, 0.2779, 0.3196



67.3028, 0.2768, 0.3051

Triad

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



67.3028, 0.2779, 0.3196



67.3028, 0.3200, 0.3064



67.3028, 0.3406, 0.3612

Complementary

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



67.3028, 0.2779, 0.3196



54.6460, 0.3582, 0.3382

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.



67.3028, 0.3499, 0.3516



67.3028, 0.2779, 0.3196



67.3028, 0.3378, 0.3203

Square

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



67.3028, 0.2779, 0.3196



67.3028, 0.3006, 0.2982



67.3028, 0.3488, 0.3366



67.3028, 0.3240, 0.3621

Rectangle

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



67.3028, 0.2779, 0.3196



67.3028, 0.2813, 0.2992



67.3028, 0.3488, 0.3366



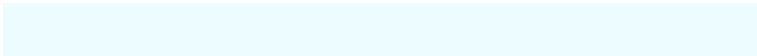
67.3028, 0.3447, 0.3588

Sweetspot

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



67.3055, 0.2779, 0.3196



95.0723, 0.3018, 0.3263



69.4241, 0.3049, 0.3838



20.2618, 0.3009, 0.3261



0.0000, 0.0000, 0.0000



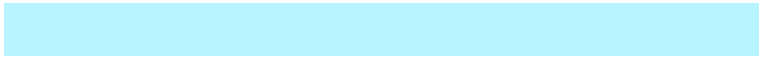
21.4041, 0.3127, 0.3290

Same Dimension

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



67.3055, 0.2779, 0.3196



82.2310, 0.2707, 0.3173



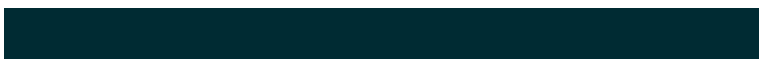
54.3051, 0.2754, 0.2874



15.9482, 0.2981, 0.3254



25.5936, 0.2113, 0.2807



1.9918, 0.2135, 0.2885

Inverse Universe

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



53.5117, 0.3217, 0.2798



61.9237, 0.3241, 0.2687



66.7888, 0.3518, 0.3673



14.5761, 0.3161, 0.3093



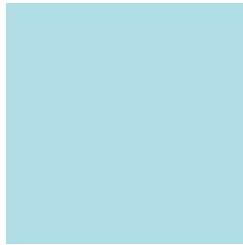
11.7814, 0.3628, 0.1772



0.8808, 0.3557, 0.1733

Previews

White Background



This preview shows how the Yxy color 67.3028, 0.2779, 0.3196 looks on a white background.

Color Contrast Check

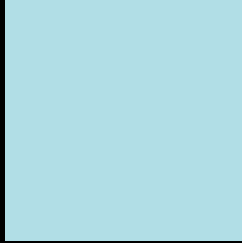
Large Text (above 18pt) WCAG AA × Fail

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 67.3028, 0.2779, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

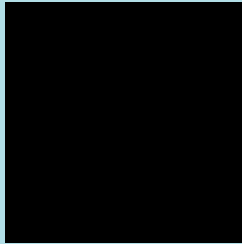
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.3028, 0.2779, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 67.3028, 0.2779, 0.3196.

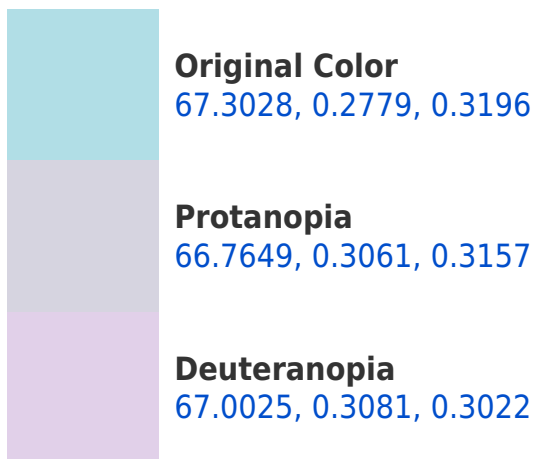


This preview shows how white text looks on a background with the Yxy color 67.3028, 0.2779, 0.3196.

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

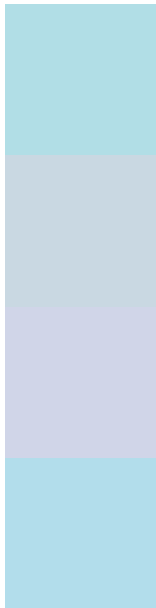




Tritanopia

67.4697, 0.2745, 0.3093

Trichromacy



Original Color

67.3028, 0.2779, 0.3196

Protanomaly

67.0202, 0.2956, 0.3176

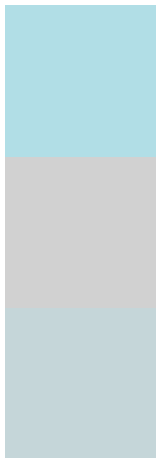
Deuteranomaly

66.8246, 0.2966, 0.3079

Tritanomaly

67.1760, 0.2756, 0.3127

Monochromacy



Original Color

67.3028, 0.2779, 0.3196

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.9732, 0.2986, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3028, 0.2779, 0.3196 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, 222, 230)` looks like.

```
.text, #text, p{  
    color:rgb(177, 222, 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, 222, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 222, 230) }
```

Border

The CSS property to change the border of an element to Yxy 67.3028, 0.2779, 0.3196 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, 222, 230) }
```

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

```
.border{ border-color:rgb(177, 222, 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, 222, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 222, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 222, 230);  
box-shadow:4px 4px 4px 4px rgb(177, 222,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3028, 0.2779, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 222, 230) }
```

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

```
.background{ background-color: rgb(177,  
222, 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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