

Converting Colors

$Yxy(65.9065, 0.2777, 0.3157)$

Have a look what the booklet for
Yxy(65.9065, 0.2777, 0.3157)
contains.

Yxy(65.7233, 0.2777, 0.3160)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.7233, 0.2777, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	B1DBE6
RGB	177, 219, 230
RGB Percent	69%, 86%, 90%
CMY	0.3056, 0.1412, 0.0980
CMYK	0.23, 0.05, 0.00, 0.10
HSL	192°, 51%, 80%
HSV	192°, 23%, 90%
XYZ	57.7575, 65.7233, 84.5044
YIQ	207.6960, -28.5630, -5.4830

Conversions

Conversions Part 2

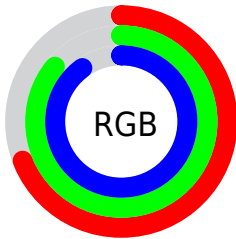
Format	Color
R _Y B	177, 200, 230
Decimal	11656166
CIE Lab	84.86, -11.21, -9.91
CIE LCh	85, 14.964, 221.462
Yxy	65.7233, 0.2777, 0.3160
Android (android.graphics.Color)	4289846246 (0xFFB1DBE6)
YUV	207.6960, 10.9959, -26.9204
Hunter-Lab	81.0699, -14.7017, -5.0528

Details

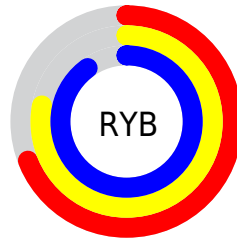
The Yxy color **65.7233, 0.2777, 0.3160** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.0025, 0.3573, 0.3416**, and the grayscale version is **62.8203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **33.8570, 0.2687, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **60.7865, 0.2634, 0.3095**, and if you desaturate by 10%, it is **71.1924, 0.2927, 0.3220**.

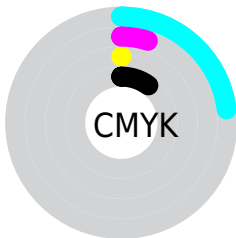
Distribution



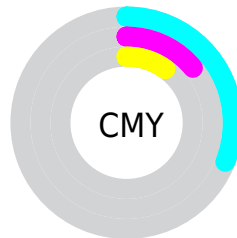
- Red (69%)
- Green (86%)
- Blue (90%)



- Red (69%)
- Yellow (78%)
- Blue (90%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)



- Cyan (31%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7233, 0.2777, 0.3160 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 65.7233, 0.2777, 0.3160 by changing the saturation by 10% instead.

■ 65.7233, 0.2777,
0.3160

■ 65.7233, 0.2777,
0.3160

445.3867, 0.2940,
0.3223

■ 48.0478, 0.2739,
0.3145

■ 113.0891, 0.2834,
0.3183

■ 33.8648, 0.2693,
0.3125

143.5482, 0.2856,
0.3191

■ 22.7897, 0.2634,
0.3100

179.0373, 0.2875,
0.3199

■ 14.4383, 0.2557,
0.3067

219.9408, 0.2891,
0.3205

■ 8.4261, 0.2451,
0.3018

266.6431, 0.2906,
0.3210

■ 4.3688, 0.2297,
0.2944

319.5286, 0.2919,

■ 1.8819, 0.2057,

0.3215

0.2819

378.9816, 0.2930,
0.3220

0.5375, 0.1136,
0.2574

0.0000, 0.0000,
0.0000

65.7233, 0.2777,
0.3160

65.7233, 0.2777,
0.3160

60.7865, 0.2634,
0.3095

71.1924, 0.2927,
0.3220

56.3507, 0.2500,
0.3026

77.2077, 0.3081,
0.3275

52.3932, 0.2380,
0.2954

83.7922, 0.3235,
0.3324

48.8860, 0.2276,
0.2879

88.1979, 0.3292,
0.3370

■ 45.7980, 0.2191,
0.2803

■ 91.0236, 0.3286,
0.3417

■ 43.0932, 0.2125,
0.2726

■ 93.9239, 0.3281,
0.3463

■ 40.7283, 0.2078,
0.2650

■ 96.8994, 0.3276,
0.3509

■ 39.2301, 0.2055,
0.2597

■ 98.4932, 0.3274,
0.3532

Harmonies

Analogous

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



65.7233, 0.2855, 0.3330



65.7233, 0.2777, 0.3160



65.7233, 0.2789, 0.3033

Triad

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



65.7233, 0.2777, 0.3160



65.7233, 0.3243, 0.3099



65.7233, 0.3365, 0.3614

Complementary

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



65.7233, 0.2777, 0.3160



56.0025, 0.3573, 0.3416

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.



65.7233, 0.3476, 0.3539



65.7233, 0.2777, 0.3160



65.7233, 0.3405, 0.3243

Square

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



65.7233, 0.2777, 0.3160



65.7233, 0.3054, 0.3003



65.7233, 0.3491, 0.3402



65.7233, 0.3192, 0.3599

Rectangle

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



65.7233, 0.2777, 0.3160



65.7233, 0.2847, 0.2987



65.7233, 0.3491, 0.3402



65.7233, 0.3411, 0.3598

Sweetspot

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



65.7260, 0.2777, 0.3160



94.4237, 0.3018, 0.3253



69.5658, 0.3033, 0.3803



20.1112, 0.3009, 0.3250



0.0000, 0.0000, 0.0000



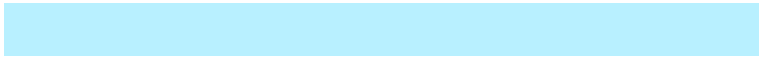
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7260, 0.2777, 0.3160



79.7666, 0.2702, 0.3127



53.1867, 0.2752, 0.2843



15.8004, 0.2981, 0.3240



22.3913, 0.2058, 0.2609



1.7830, 0.2089, 0.2719

Inverse Universe

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



53.4095, 0.3242, 0.2831



61.6749, 0.3272, 0.2726



68.1553, 0.3510, 0.3700



14.5612, 0.3170, 0.3106



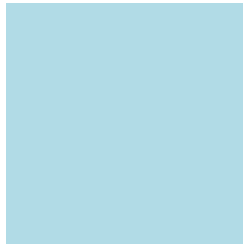
11.4581, 0.3816, 0.1876



0.8597, 0.3710, 0.1817

Previews

White Background



This preview shows how the Yxy color 65.7233, 0.2777, 0.3160 looks on a white background.

Color Contrast Check

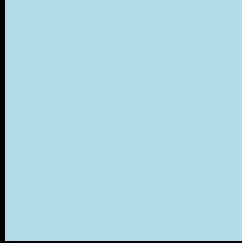
Large Text (above 18pt) WCAG AA × Fail

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 65.7233, 0.2777, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

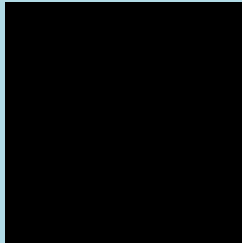
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7233, 0.2777, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 65.7233, 0.2777, 0.3160.

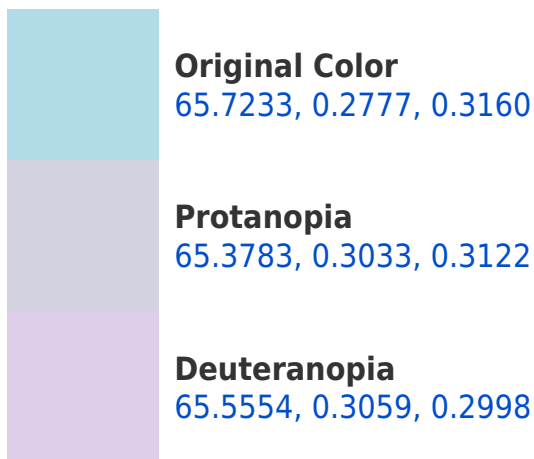


This preview shows how white text looks on a background with the Yxy color 65.7233, 0.2777, 0.3160.

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

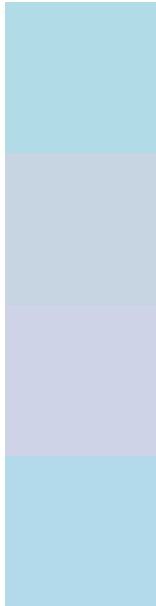




Tritanopia

65.6639, 0.2748, 0.3080

Trichromacy



Original Color

65.7233, 0.2777, 0.3160

Protanomaly

65.2767, 0.2935, 0.3130

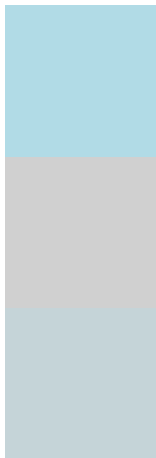
Deuteranomaly

65.5365, 0.2952, 0.3055

Tritanomaly

65.5483, 0.2759, 0.3103

Monochromacy



Original Color

65.7233, 0.2777, 0.3160

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.9152, 0.2992, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7233, 0.2777, 0.3160 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, 219, 230)` looks like.

```
.text, #text, p{  
    color:rgb(177, 219, 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, 219, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 219, 230) }
```

Border

The CSS property to change the border of an element to Yxy 65.7233, 0.2777, 0.3160 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, 219, 230) }
```

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

```
.border{ border-color:rgb(177, 219, 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, 219, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 219, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 219, 230);  
box-shadow:4px 4px 4px 4px rgb(177, 219,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7233, 0.2777, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 219, 230) }
```

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

```
.background{ background-color: rgb(177,  
219, 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](#).

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