

# Converting Colors

$Yxy(63.2628, 0.2707, 0.3098)$

Have a look what the booklet for  
Yxy(63.2628, 0.2707, 0.3098)  
contains.

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# Color

**Yxy(63.2628, 0.2707, 0.3098)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8D8E8
RGB	168, 216, 232
RGB Percent	66%, 85%, 91%
CMY	0.3410, 0.1530, 0.0901
CMYK	0.28, 0.07, 0.00, 0.09
HSL	195°, 58%, 78%
HSV	195°, 28%, 91%
XYZ	55.2784, 63.2628, 85.6641
YIQ	203.4720, -33.7440, -5.2000

# Conversions

## Conversions Part 2

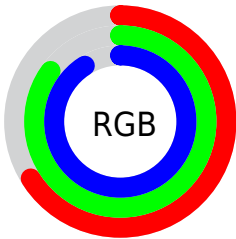
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 195, 232
Decimal	11065576
CIELab	83.58, -11.87, -12.94
CIELCh	84, 17.560, 227.480
Yxy	63.2628, 0.2707, 0.3098
Android (android.graphics.Color)	4289255656 (0xFFA8D8E8)
YUV	203.4720, 14.0643, -31.1089
Hunter-Lab	79.5379, -15.1349, -8.1801

# Details

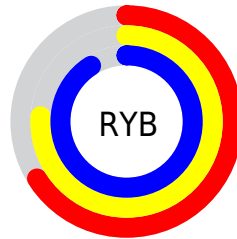
The Yxy color **63.2628, 0.2707, 0.3098** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.3010, 0.3679, 0.3473**, and the grayscale version is **59.9652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **32.2017, 0.2607, 0.3051** is the 20% darker color. If you saturate the color by 10%, you get **58.0142, 0.2564, 0.3017**, and if you desaturate by 10%, it is **69.0764, 0.2857, 0.3173**.

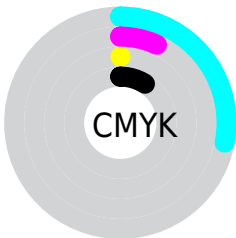
# Distribution



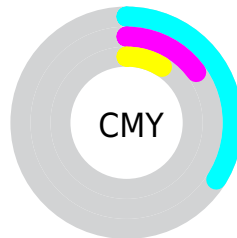
- Red (66%)
- Green (85%)
- Blue (91%)



- Red (66%)
- Yellow (76%)
- Blue (91%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (34%)
- Magenta (15%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2628, 0.2707, 0.3098 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 63.2628, 0.2707, 0.3098 by changing the saturation by 10% instead.



63.2628, 0.2707,  
0.3098

63.2628, 0.2707,  
0.3098

436.5226, 0.2903,  
0.3192

46.0538, 0.2662,  
0.3075

109.5486, 0.2776,  
0.3132

32.2883, 0.2606,  
0.3047

139.3942, 0.2802,  
0.3144

21.5818, 0.2534,  
0.3010

174.2208, 0.2825,  
0.3155

13.5499, 0.2441,  
0.2959

214.4128, 0.2845,  
0.3164

7.8083, 0.2312,  
0.2888

260.3545, 0.2862,  
0.3173

3.9725, 0.2127,  
0.2779

312.4305, 0.2877,

1.6582, 0.1839,

0.3180

0.2594

371.0251, 0.2891,  
0.3186

0.3964, 0.0465,  
0.2120

0.0000, 0.0000,  
0.0000

63.2628, 0.2707,  
0.3098

63.2628, 0.2707,  
0.3098

58.0142, 0.2564,  
0.3017

69.0764, 0.2857,  
0.3173

53.2976, 0.2432,  
0.2931

75.4706, 0.3010,  
0.3242

49.0882, 0.2313,  
0.2841

82.4701, 0.3164,  
0.3305

45.3555, 0.2211,  
0.2748

88.9695, 0.3277,  
0.3361

■ 42.0652, 0.2129,  
0.2654

■ 92.4341, 0.3272,  
0.3418

■ 39.1769, 0.2066,  
0.2560

■ 96.0094, 0.3266,  
0.3473

■ 36.6372, 0.2022,  
0.2467

■ 98.6080, 0.3262,  
0.3512

■ 36.0551, 0.2012,  
0.2444

# Harmonies

## Analogous

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



63.2628, 0.2778, 0.3294



63.2628, 0.2707, 0.3098



63.2628, 0.2743, 0.2964

# Triad

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



63.2628, 0.2707, 0.3098



63.2628, 0.3308, 0.3094



63.2628, 0.3372, 0.3682

# Complementary

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



63.2628, 0.2707, 0.3098



54.3010, 0.3679, 0.3473

# 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.



63.2628, 0.3523, 0.3610



63.2628, 0.2707, 0.3098



63.2628, 0.3487, 0.3270

# Square

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



63.2628, 0.2707, 0.3098



63.2628, 0.3084, 0.2968



63.2628, 0.3567, 0.3458



63.2628, 0.3158, 0.3643



# Rectangle

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



63.2628, 0.2707, 0.3098



63.2628, 0.2823, 0.2924



63.2628, 0.3567, 0.3458



63.2628, 0.3432, 0.3669

# Sweetspot

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



63.2653, 0.2707, 0.3098



93.1156, 0.3003, 0.3239



69.5220, 0.2996, 0.3881



19.6651, 0.2980, 0.3229



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

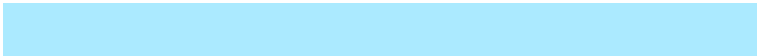


# Same Dimension

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



63.2653, 0.2707, 0.3098



74.6564, 0.2626, 0.3053



48.4519, 0.2667, 0.2699



15.6925, 0.2981, 0.3230



20.2203, 0.2017, 0.2460



1.6393, 0.2054, 0.2595



# Inverse Universe

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



50.1369, 0.3292, 0.2765



56.2646, 0.3334, 0.2657



69.1181, 0.3586, 0.3818



14.5503, 0.3176, 0.3116



11.2390, 0.3963, 0.1957

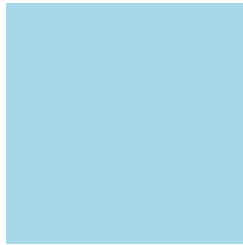


0.8452, 0.3829, 0.1883



# Previews

## White Background



This preview shows how the Yxy color 63.2628, 0.2707, 0.3098 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

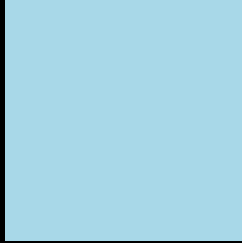
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.2628, 0.2707, 0.3098 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 63.2628, 0.2707, 0.3098**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.2628, 0.2707, 0.3098.

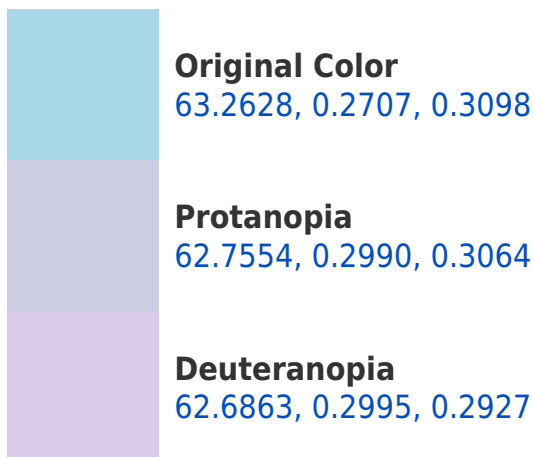


This preview shows how white text looks on a background with the Yxy color 63.2628, 0.2707, 0.3098.

# 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

63.3198, 0.2701, 0.3087

# Trichromacy



## Original Color

63.2628, 0.2707, 0.3098

## Protanomaly

62.9011, 0.2880, 0.3081

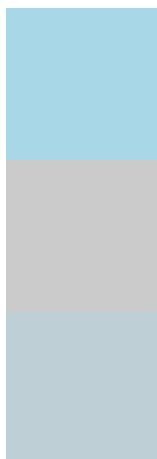
## Deuteranomaly

62.5719, 0.2882, 0.2983

## Tritanomaly

63.3198, 0.2701, 0.3087

# Monochromacy



## Original Color

63.2628, 0.2707, 0.3098

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

60.9139, 0.2955, 0.3218

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.2628, 0.2707, 0.3098 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(168, 216, 232)` looks like.

```
.text, #text, p{  
    color:rgb(168, 216, 232)  
}
```

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(168, 216, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 216, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 63.2628, 0.2707, 0.3098 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(168, 216, 232) }
```

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

```
.border{ border-color:rgb(168, 216, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 216, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 216, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 216, 232);  
box-shadow:4px 4px 4px 4px rgb(168, 216,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.2628, 0.2707, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 216, 232) }
```

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

```
.background{ background-color: rgb(168,  
216, 232) }
```

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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