

# Converting Colors

$Yxy(62.2861, 0.2853, 0.3214)$

Have a look what the booklet for  
Yxy(62.2861, 0.2853, 0.3214)  
contains.

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# Color

**Yxy(62.4063, 0.2857, 0.3218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4D5DB
RGB	180, 213, 219
RGB Percent	71%, 84%, 86%
CMY	0.2940, 0.1647, 0.1413
CMYK	0.18, 0.03, 0.00, 0.14
HSL	189°, 35%, 78%
HSV	189°, 18%, 86%
XYZ	55.4055, 62.4063, 76.1171
YIQ	203.8170, -21.5940, -5.1300

# Conversions

## Conversions Part 2

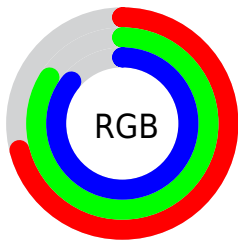
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 198, 219
Decimal	11851227
CIELab	83.13, -9.60, -6.59
CIELCh	83, 11.646, 214.462
Yxy	62.4063, 0.2857, 0.3218
Android (android.graphics.Color)	4290041307 (0xFFB4D5DB)
YUV	203.8170, 7.4852, -20.8875
Hunter-Lab	78.9977, -13.0539, -1.8297

# Details

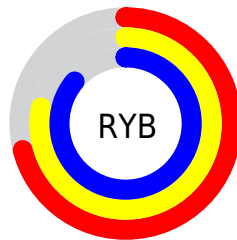
The Yxy color **62.4063, 0.2857, 0.3218** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.4712, 0.3457, 0.3361**, and the grayscale version is **60.2285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **31.6461, 0.2793, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **58.3139, 0.2713, 0.3173**, and if you desaturate by 10%, it is **66.9539, 0.3007, 0.3260**.

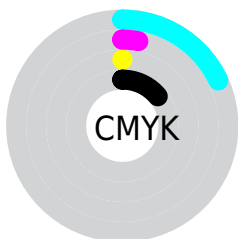
# Distribution



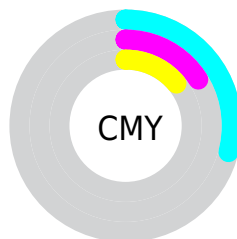
- Red (71%)
- Green (84%)
- Blue (86%)



- Red (71%)
- Yellow (78%)
- Blue (86%)



- Cyan (18%)
- Magenta (3%)
- Yellow (0%)
- Black (14%)



- Cyan (29%)
- Magenta (16%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4063, 0.2857, 0.3218 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 62.4063, 0.2857, 0.3218 by changing the saturation by 10% instead.



■ 62.4063, 0.2857,  
0.3218

■ 62.4063, 0.2857,  
0.3218

433.4116, 0.2985,  
0.3254

■ 45.3611, 0.2827,  
0.3209

■ 108.3125, 0.2902,  
0.3231

■ 31.7419, 0.2790,  
0.3198

137.9423, 0.2919,  
0.3236

■ 21.1645, 0.2743,  
0.3184

172.5358, 0.2934,  
0.3240

■ 13.2443, 0.2680,  
0.3164

212.4773, 0.2947,  
0.3243

■ 7.5970, 0.2592,  
0.3135

258.1512, 0.2958,  
0.3246

■ 3.8382, 0.2463,  
0.3089

309.9420, 0.2968,

■ 1.5834, 0.2252,

0.3249

0.3008

368.2340, 0.2977,  
0.3252

0.3464, 0.0741,  
0.2708

0.0000, 0.0000,  
0.0000

62.4063, 0.2857,  
0.3218

62.4063, 0.2857,  
0.3218

58.3139, 0.2713,  
0.3173

66.9539, 0.3007,  
0.3260

54.6494, 0.2579,  
0.3124

71.9674, 0.3162,  
0.3298

51.3941, 0.2458,  
0.3073

77.4666, 0.3317,  
0.3333

48.5250, 0.2352,  
0.3020

80.9940, 0.3379,  
0.3365

46.0162, 0.2264,  
0.2965

82.8412, 0.3375,  
0.3399

43.8388, 0.2196,  
0.2911

84.7243, 0.3370,  
0.3432

41.9586, 0.2146,  
0.2856

86.6435, 0.3365,  
0.3465

40.3283, 0.2114,  
0.2802

88.5991, 0.3360,  
0.3497

39.9829, 0.2108,  
0.2790

90.5912, 0.3356,  
0.3530

# Harmonies

## Analogous

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



62.4063, 0.2935, 0.3354



62.4063, 0.2857, 0.3218



62.4063, 0.2849, 0.3106

# Triad

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



62.4063, 0.2857, 0.3218



62.4063, 0.3185, 0.3115



62.4063, 0.3342, 0.3538

# Complementary

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



62.4063, 0.2857, 0.3218



53.4712, 0.3457, 0.3361

# 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.



62.4063, 0.3413, 0.3467



62.4063, 0.2857, 0.3218



62.4063, 0.3321, 0.3224

# Square

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



62.4063, 0.2857, 0.3218



62.4063, 0.3036, 0.3051



62.4063, 0.3405, 0.3352



62.4063, 0.3214, 0.3543



# Rectangle

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



62.4063, 0.2857, 0.3218



62.4063, 0.2885, 0.3059



62.4063, 0.3405, 0.3352



62.4063, 0.3373, 0.3521

# Sweetspot

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



62.4089, 0.2857, 0.3218



96.4213, 0.3049, 0.3271



63.8922, 0.3067, 0.3697



20.5334, 0.3038, 0.3268



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

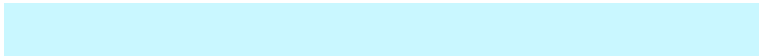


# Same Dimension

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



62.4089, 0.2857, 0.3218



86.0959, 0.2807, 0.3203



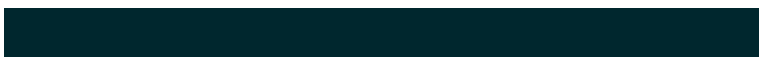
53.2547, 0.2845, 0.2980



14.4719, 0.2982, 0.3253



23.8472, 0.2111, 0.2798



1.6388, 0.2135, 0.2886



# Inverse Universe

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



52.5174, 0.3195, 0.2916



69.9461, 0.3210, 0.2842



62.1771, 0.3419, 0.3581



13.2388, 0.3161, 0.3094



11.0312, 0.3637, 0.1777

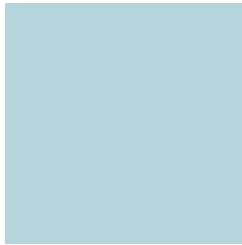


0.7241, 0.3556, 0.1732



# Previews

## White Background



This preview shows how the Yxy color 62.4063, 0.2857, 0.3218 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

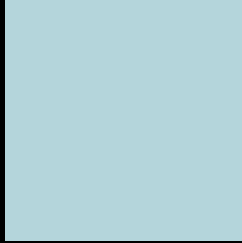
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.4063, 0.2857, 0.3218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

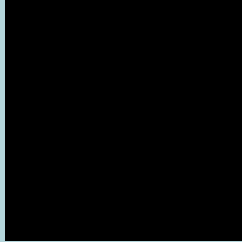
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

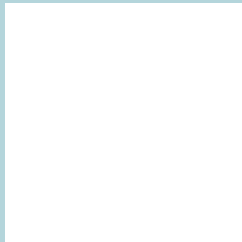
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.4063, 0.2857, 0.3218**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.4063, 0.2857, 0.3218.

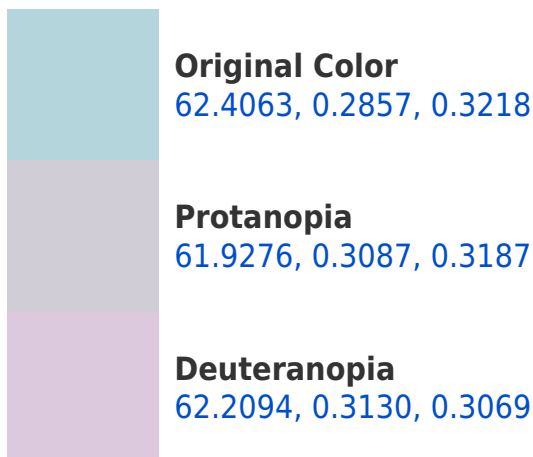


This preview shows how white text looks on a background with the Yxy color 62.4063, 0.2857, 0.3218.

# 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

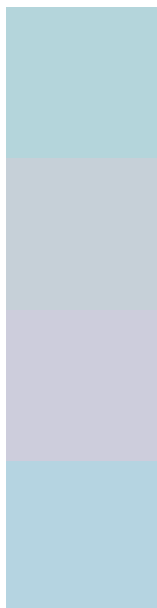




## Tritanopia

62.6335, 0.2814, 0.3101

# Trichromacy



## Original Color

62.4063, 0.2857, 0.3218

## Protanomaly

62.0754, 0.2999, 0.3197

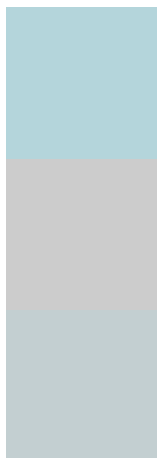
## Deuteranomaly

61.8091, 0.3023, 0.3118

## Tritanomaly

62.3470, 0.2826, 0.3135

# Monochromacy



## Original Color

62.4063, 0.2857, 0.3218

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.8312, 0.3024, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.4063, 0.2857, 0.3218 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(180, 213, 219)` looks like.

```
.text, #text, p{  
    color:rgb(180, 213, 219)  
}
```

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(180, 213, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 213, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 62.4063, 0.2857, 0.3218 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(180, 213, 219) }
```

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

```
.border{ border-color:rgb(180, 213, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 213, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 213, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 213, 219);  
box-shadow:4px 4px 4px 4px rgb(180, 213,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.4063, 0.2857, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 213, 219) }
```

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

```
.background{ background-color: rgb(180,  
213, 219) }
```

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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