

# Converting Colors

Yxy(63.4909, 0.2689, 0.3162)

Have a look what the booklet for  
Yxy(63.4909, 0.2689, 0.3162)  
contains.

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# Color

**Yxy(63.3770, 0.2685, 0.3156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1DAE5
RGB	161, 218, 229
RGB Percent	63%, 85%, 90%
CMY	0.3684, 0.1451, 0.1020
CMYK	0.30, 0.05, 0.00, 0.10
HSL	190°, 57%, 76%
HSV	190°, 30%, 90%
XYZ	53.9186, 63.3770, 83.5187
YIQ	202.2110, -37.5030, -8.6630

# Conversions

## Conversions Part 2

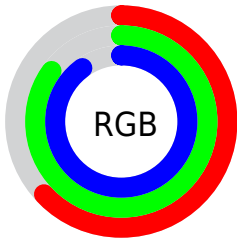
Format	Color
R <sub>YB</sub>	161, 192, 229
Decimal	10607333
CIE Lab	83.64, -15.58, -11.29
CIE LCh	84, 19.235, 215.923
Yxy	63.3770, 0.2685, 0.3156
Android (android.graphics.Color)	4288797413 (0xFFA1DAE5)
YUV	202.2110, 13.2070, -36.1420
Hunter-Lab	79.6097, -18.4211, -6.4745

# Details

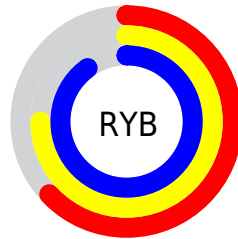
The Yxy color **63.3770, 0.2685, 0.3156** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.7577, 0.3753, 0.3419**, and the grayscale version is **59.1416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **32.3762, 0.2576, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **59.3115, 0.2552, 0.3104**, and if you desaturate by 10%, it is **67.9264, 0.2828, 0.3205**.

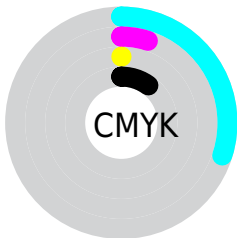
# Distribution



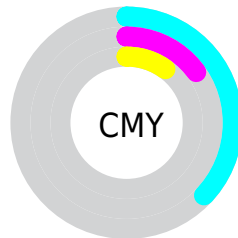
- Red (63%)
- Green (85%)
- Blue (90%)



- Red (63%)
- Yellow (75%)
- Blue (90%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)




- Cyan (37%)
- Magenta (15%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3770, 0.2685, 0.3156 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 63.3770, 0.2685, 0.3156 by changing the saturation by 10% instead.




 63.3770, 0.2685,  
0.3156

 63.3770, 0.2685,  
0.3156


436.9364, 0.2892,  
0.3223

 46.1463, 0.2637,  
0.3139

 109.7132, 0.2757,  
0.3180

 32.3613, 0.2578,  
0.3118


 139.5875, 0.2785,  
0.3189

 21.6376, 0.2504,  
0.3091


174.4451, 0.2809,  
0.3197

 13.5908, 0.2405,  
0.3052

214.6704, 0.2830,  
0.3204

 7.8366, 0.2271,  
0.2997

260.6478, 0.2848,  
0.3210

 3.9906, 0.2077,  
0.2911

312.7616, 0.2864,

 1.6683, 0.1775,

0.3215

0.2759

371.3964, 0.2879,  
0.3219

0.4030, 0.0017,  
0.2430

0.0000, 0.0000,  
0.0000

63.3770, 0.2685,  
0.3156

63.3770, 0.2685,  
0.3156

59.3115, 0.2552,  
0.3104

67.9264, 0.2828,  
0.3205

55.6981, 0.2433,  
0.3049

72.9742, 0.2978,  
0.3250

52.5130, 0.2329,  
0.2992

78.5439, 0.3132,  
0.3291

49.7269, 0.2244,  
0.2934

84.6549, 0.3288,  
0.3329

■ 47.3063, 0.2178,  
0.2876

■ 87.2182, 0.3300,  
0.3365

■ 45.2117, 0.2131,  
0.2818

■ 89.3824, 0.3296,  
0.3401

■ 43.3770, 0.2101,  
0.2760

■ 91.5913, 0.3292,  
0.3437

■ 43.3190, 0.2100,  
0.2758

■ 93.8451, 0.3288,  
0.3473

■ 96.1440, 0.3284,  
0.3508

# Harmonies

## Analogous

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



63.3770, 0.2805, 0.3383



63.3770, 0.2685, 0.3156



63.3770, 0.2679, 0.2979

# Triad

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



63.3770, 0.2685, 0.3156



63.3770, 0.3232, 0.3015



63.3770, 0.3470, 0.3702

# Complementary

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



63.3770, 0.2685, 0.3156



48.7577, 0.3753, 0.3419

# 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.



63.3770, 0.3595, 0.3582



63.3770, 0.2685, 0.3156



63.3770, 0.3456, 0.3190

# Square

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



63.3770, 0.2685, 0.3156



63.3770, 0.2987, 0.2907



63.3770, 0.3591, 0.3395



63.3770, 0.3255, 0.3709



# Rectangle

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



63.3770, 0.2685, 0.3156



63.3770, 0.2739, 0.2909



63.3770, 0.3591, 0.3395



63.3770, 0.3524, 0.3673

# Sweetspot

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



63.3795, 0.2685, 0.3156



93.5557, 0.2988, 0.3253



66.5699, 0.3027, 0.4022



19.8129, 0.2965, 0.3246



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

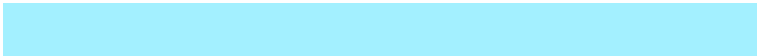


# Same Dimension

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



63.3795, 0.2685, 0.3156



77.4265, 0.2597, 0.3122



47.8663, 0.2638, 0.2736



15.9180, 0.2981, 0.3251



24.9175, 0.2102, 0.2767



1.9480, 0.2126, 0.2852



# Inverse Universe

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



47.2260, 0.3255, 0.2663



53.8247, 0.3289, 0.2525



62.9991, 0.3645, 0.3787



14.5730, 0.3163, 0.3095



11.7132, 0.3665, 0.1793

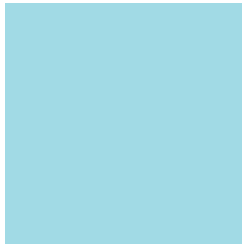


0.8763, 0.3587, 0.1750



# Previews

## White Background



This preview shows how the Yxy color 63.3770, 0.2685, 0.3156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

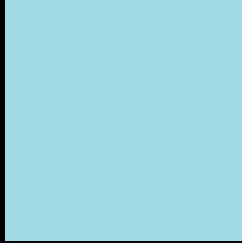
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.3770, 0.2685, 0.3156 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

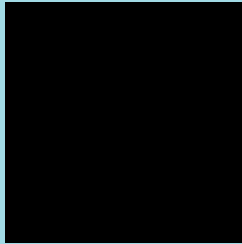
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

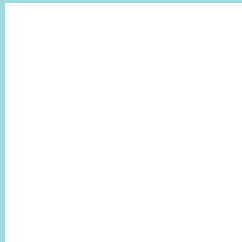
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.3770, 0.2685, 0.3156**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.3770, 0.2685, 0.3156.



This preview shows how white text looks on a background with the Yxy color 63.3770, 0.2685, 0.3156.

# 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

63.3770, 0.2685, 0.3156

### Protanopia

62.6819, 0.3024, 0.3108

### Deuteranopia

62.8190, 0.3030, 0.2960



## Tritanopia

63.3052, 0.2656, 0.3074

# Trichromacy



## Original Color

63.3770, 0.2685, 0.3156

## Protanomaly

62.4766, 0.2885, 0.3115

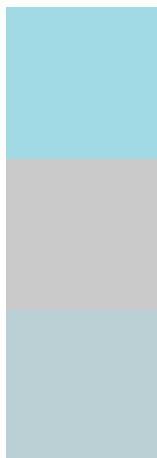
## Deuteranomaly

62.7516, 0.2895, 0.3027

## Tritanomaly

63.1903, 0.2667, 0.3097

# Monochromacy



## Original Color

63.3770, 0.2685, 0.3156

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

60.4300, 0.2947, 0.3242

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.3770, 0.2685, 0.3156 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(161, 218, 229)` looks like.

```
.text, #text, p{  
    color:rgb(161, 218, 229)  
}
```

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(161, 218, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 218, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 63.3770, 0.2685, 0.3156 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(161, 218, 229) }
```

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

```
.border{ border-color:rgb(161, 218, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 218, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 218, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 218, 229); box-shadow:4px 4px 4px 4px rgb(161, 218, 229) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.3770, 0.2685, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 218, 229) }
```

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

```
.background{ background-color: rgb(161,  
218, 229) }
```

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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