

# Converting Colors

$Yxy(63.3679, 0.2774, 0.3113)$

Have a look what the booklet for  
Yxy(63.3679, 0.2774, 0.3113)  
contains.

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# Color

**Yxy(63.6051, 0.2779, 0.3124)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B1D7E5
RGB	177, 215, 229
RGB Percent	69%, 84%, 90%
CMY	0.3057, 0.1569, 0.1020
CMYK	0.23, 0.06, 0.00, 0.10
HSL	196°, 50%, 80%
HSV	196°, 23%, 90%
XYZ	56.5808, 63.6051, 83.4155
YIQ	205.2340, -27.1420, -3.7020

# Conversions

## Conversions Part 2

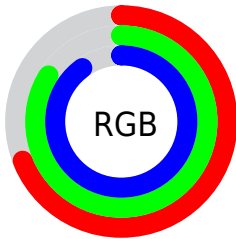
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 199, 229
Decimal	11655141
CIELab	83.76, -9.39, -11.00
CIELCh	84, 14.464, 229.530
Yxy	63.6051, 0.2779, 0.3124
Android (android.graphics.Color)	4289845221 (0xFFB1D7E5)
YUV	205.2340, 11.7166, -24.7612
Hunter-Lab	79.7528, -12.9301, -6.1860

# Details

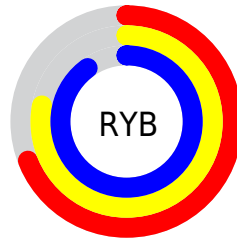
The Yxy color **63.6051, 0.2779, 0.3124** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.1121, 0.3557, 0.3450**, and the grayscale version is **61.1500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **32.4086, 0.2688, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **58.0566, 0.2631, 0.3040**, and if you desaturate by 10%, it is **69.7285, 0.2932, 0.3202**.

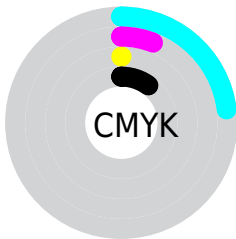
# Distribution



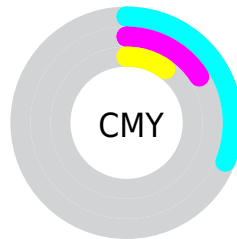
- Red (69%)
- Green (84%)
- Blue (90%)



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



- Cyan (23%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)



- Cyan (31%)
- Magenta (16%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6051, 0.2779, 0.3124 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 63.6051, 0.2779, 0.3124 by changing the saturation by 10% instead.



■ 63.6051, 0.2779,  
0.3124

■ 63.6051, 0.2779,  
0.3124

437.7622, 0.2942,  
0.3205

■ 46.3309, 0.2741,  
0.3105

■ 110.0420, 0.2836,  
0.3153

■ 32.5070, 0.2694,  
0.3080

139.9735, 0.2858,  
0.3164

■ 21.7491, 0.2635,  
0.3049

174.8929, 0.2877,  
0.3173

■ 13.6726, 0.2556,  
0.3006

215.1846, 0.2893,  
0.3181

■ 7.8933, 0.2448,  
0.2946

261.2330, 0.2908,  
0.3188

■ 4.0268, 0.2290,  
0.2853

313.4225, 0.2921,

■ 1.6885, 0.2041,

0.3194

0.2698

372.1374, 0.2932,  
0.3200

0.4162, 0.0910,  
0.2276

0.0000, 0.0000,  
0.0000

63.6051, 0.2779,  
0.3124

63.6051, 0.2779,  
0.3124

58.0566, 0.2631,  
0.3040

69.7285, 0.2932,  
0.3202

53.0515, 0.2492,  
0.2950

76.4411, 0.3086,  
0.3272

48.5666, 0.2364,  
0.2854

83.7666, 0.3239,  
0.3336

44.5736, 0.2251,  
0.2755

89.0447, 0.3296,  
0.3396

■ 41.0411, 0.2155,  
0.2654

■ 92.7326, 0.3290,  
0.3455

■ 37.9330, 0.2080,  
0.2552

■ 96.5452, 0.3283,  
0.3514

■ 35.2059, 0.2024,  
0.2450

■ 98.4366, 0.3280,  
0.3542

■ 33.4024, 0.1994,  
0.2377

# Harmonies

## Analogous

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



63.6051, 0.2833, 0.3283



63.6051, 0.2779, 0.3124



63.6051, 0.2815, 0.3017

# Triad

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



63.6051, 0.2779, 0.3124



63.6051, 0.3288, 0.3137



63.6051, 0.3318, 0.3612

# Complementary

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



63.6051, 0.2779, 0.3124



57.1121, 0.3557, 0.3450

# 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.



63.6051, 0.3447, 0.3561



63.6051, 0.2779, 0.3124



63.6051, 0.3430, 0.3286

# Square

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



63.6051, 0.2779, 0.3124



63.6051, 0.3105, 0.3028



63.6051, 0.3488, 0.3440



63.6051, 0.3141, 0.3572



# Rectangle

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



63.6051, 0.2779, 0.3124



63.6051, 0.2886, 0.2986



63.6051, 0.3488, 0.3440



63.6051, 0.3369, 0.3604

# Sweetspot

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



63.6077, 0.2779, 0.3124



93.7402, 0.3019, 0.3242



69.1429, 0.3013, 0.3751



19.9526, 0.3009, 0.3238



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

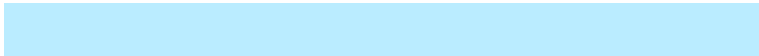


# Same Dimension

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



63.6077, 0.2779, 0.3124



77.9285, 0.2712, 0.3087



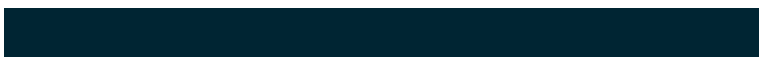
51.4759, 0.2755, 0.2807



15.6450, 0.2981, 0.3225



19.3086, 0.1998, 0.2393



1.5784, 0.2039, 0.2539



# Inverse Universe

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



53.0250, 0.3266, 0.2871



62.5234, 0.3299, 0.2786



69.3913, 0.3496, 0.3731



14.5455, 0.3179, 0.3120



11.1469, 0.4030, 0.1994

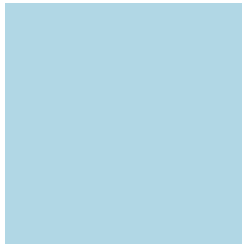


0.8390, 0.3883, 0.1913



# Previews

## White Background



This preview shows how the Yxy color 63.6051, 0.2779, 0.3124 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

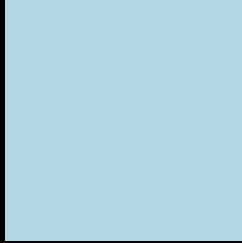
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.6051, 0.2779, 0.3124 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

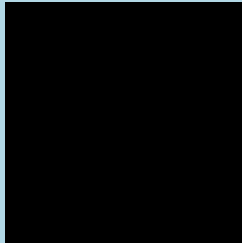
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.6051, 0.2779, 0.3124**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.6051, 0.2779, 0.3124.

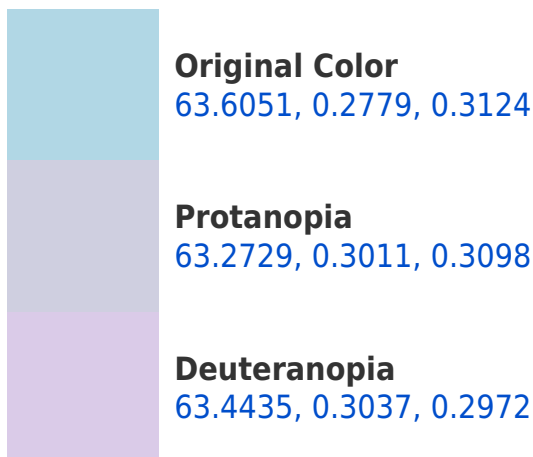


This preview shows how white text looks on a background with the Yxy color 63.6051, 0.2779, 0.3124.

# 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

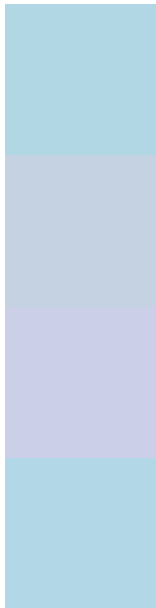




## Tritanopia

63.8921, 0.2768, 0.3090

# Trichromacy



## Original Color

63.6051, 0.2779, 0.3124

## Protanomaly

63.3199, 0.2920, 0.3106

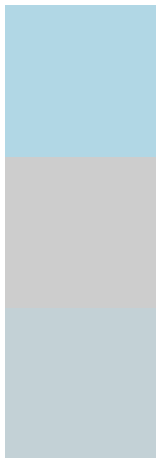
## Deuteranomaly

63.0917, 0.2936, 0.3019

## Tritanomaly

63.8354, 0.2773, 0.3101

# Monochromacy



## Original Color

63.6051, 0.2779, 0.3124

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

62.0581, 0.2991, 0.3231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.6051, 0.2779, 0.3124 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, 215, 229)` looks like.

```
.text, #text, p{  
    color:rgb(177, 215, 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(177, 215, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 215, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 63.6051, 0.2779, 0.3124 is called "border". The border property can be set on classes, ids or directly on the HTML element.

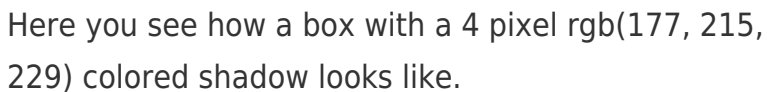
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 215, 229) }
```

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

```
.border{ border-color:rgb(177, 215, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 215, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 215, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 215, 229);  
box-shadow:4px 4px 4px 4px rgb(177, 215,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.6051, 0.2779, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 215, 229) }
```

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

```
.background{ background-color: rgb(177,  
215, 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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