

# Converting Colors

Yxy(64.7804, 0.2824, 0.3149)

Have a look what the booklet for  
Yxy(64.7804, 0.2824, 0.3149)  
contains.

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# Color

**Yxy(64.7804, 0.2824, 0.3149)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7D8E4
RGB	183, 216, 228
RGB Percent	72%, 85%, 89%
CMY	0.2822, 0.1530, 0.1059
CMYK	0.20, 0.05, 0.00, 0.11
HSL	196°, 45%, 81%
HSV	196°, 20%, 89%
XYZ	58.0946, 64.7804, 82.8424
YIQ	207.5010, -23.5200, -3.2640

# Conversions

## Conversions Part 2

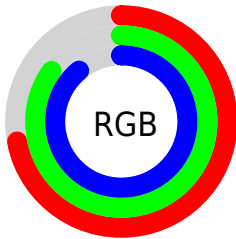
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 202, 228
Decimal	12048612
CIE Lab	84.37, -8.30, -9.53
CIE LCh	84, 12.640, 228.940
Yxy	64.7804, 0.2824, 0.3149
Android (android.graphics.Color)	4290238692 (0xFFB7D8E4)
YUV	207.5010, 10.1060, -21.4874
Hunter-Lab	80.4863, -12.0106, -4.6852

# Details

The Yxy color **64.7804, 0.2824, 0.3149** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.9666, 0.3491, 0.3427**, and the grayscale version is **62.6873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **33.1740, 0.2745, 0.3103** is the 20% darker color. If you saturate the color by 10%, you get **59.1467, 0.2675, 0.3067**, and if you desaturate by 10%, it is **70.9879, 0.2977, 0.3224**.

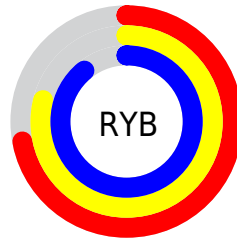
# Distribution



Red (72%)

Green (85%)

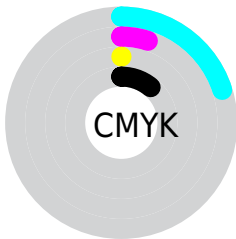
Blue (89%)



Red (72%)

Yellow (79%)

Blue (89%)

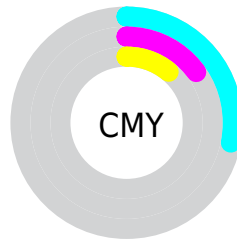


Cyan (20%)

Magenta (5%)

Yellow (0%)

Black (11%)



Cyan (28%)

Magenta (15%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7804, 0.2824, 0.3149 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 64.7804, 0.2824, 0.3149 by changing the saturation by 10% instead.



■ 64.7804, 0.2824,  
0.3149

■ 64.7804, 0.2824,  
0.3149

442.0024, 0.2966,  
0.3217

■ 47.2830, 0.2791,  
0.3133

■ 111.7341, 0.2874,  
0.3173

■ 33.2595, 0.2751,  
0.3112

141.9592, 0.2893,  
0.3182

■ 22.3253, 0.2699,  
0.3086

177.1957, 0.2909,  
0.3190

■ 14.0961, 0.2630,  
0.3050

217.8279, 0.2924,  
0.3197

■ 8.1875, 0.2536,  
0.3000

264.2403, 0.2936,  
0.3203

■ 4.2152, 0.2399,  
0.2923

316.8173, 0.2947,

■ 1.7946, 0.2182,

0.3208

0.2794

375.9432, 0.2957,  
0.3213

0.4838, 0.1317,  
0.2478

0.0000, 0.0000,  
0.0000

64.7804, 0.2824,  
0.3149

64.7804, 0.2824,  
0.3149

59.1467, 0.2675,  
0.3067

70.9879, 0.2977,  
0.3224

54.0560, 0.2532,  
0.2980

77.7828, 0.3131,  
0.3292

49.4859, 0.2401,  
0.2887

85.1880, 0.3284,  
0.3353

45.4095, 0.2283,  
0.2789

89.3892, 0.3302,  
0.3412

■ 41.7966, 0.2183,  
0.2690

■ 93.0417, 0.3295,  
0.3471

■ 38.6132, 0.2102,  
0.2589

■ 96.8158, 0.3288,  
0.3529

■ 35.8188, 0.2041,  
0.2488

■ 98.3816, 0.3286,  
0.3552

■ 33.3468, 0.1997,  
0.2389

■ 33.2803, 0.1996,  
0.2386

# Harmonies

## Analogous

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



64.7804, 0.2873, 0.3287



64.7804, 0.2824, 0.3149



64.7804, 0.2854, 0.3054

# Triad

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



64.7804, 0.2824, 0.3149



64.7804, 0.3264, 0.3155



64.7804, 0.3296, 0.3569

# Complementary

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



64.7804, 0.2824, 0.3149



58.9666, 0.3491, 0.3427

# 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.



64.7804, 0.3406, 0.3524



64.7804, 0.2824, 0.3149



64.7804, 0.3388, 0.3284

# Square

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



64.7804, 0.2824, 0.3149



64.7804, 0.3105, 0.3060



64.7804, 0.3440, 0.3419



64.7804, 0.3143, 0.3535



# Rectangle

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



64.7804, 0.2824, 0.3149



64.7804, 0.2915, 0.3025



64.7804, 0.3440, 0.3419



64.7804, 0.3340, 0.3562

# Sweetspot

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



64.7831, 0.2824, 0.3149



94.6334, 0.3034, 0.3250



69.5024, 0.3028, 0.3683



20.1340, 0.3024, 0.3245



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

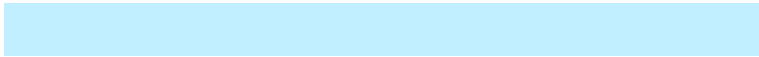


# Same Dimension

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



64.7831, 0.2824, 0.3149



80.1945, 0.2757, 0.3114



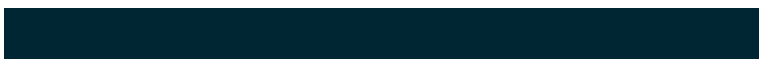
54.0487, 0.2807, 0.2877



15.6510, 0.2981, 0.3226



19.4213, 0.2000, 0.2401



1.5859, 0.2041, 0.2546



# Inverse Universe

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



55.3353, 0.3244, 0.2927



65.9663, 0.3275, 0.2842



69.8052, 0.3444, 0.3671



14.5461, 0.3179, 0.3119



11.1583, 0.4022, 0.1989

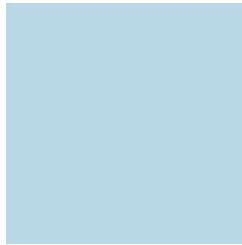


0.8398, 0.3876, 0.1909



# Previews

## White Background



This preview shows how the Yxy color 64.7804, 0.2824, 0.3149 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

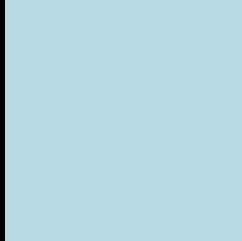
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.7804, 0.2824, 0.3149 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

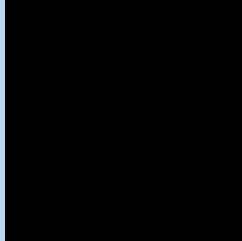
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.7804, 0.2824, 0.3149**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.7804, 0.2824, 0.3149.

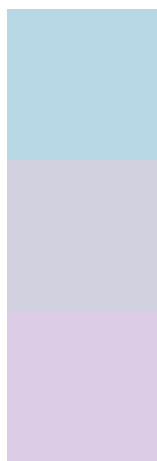


This preview shows how white text looks on a background with the Yxy color 64.7804, 0.2824, 0.3149.

# 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

64.7804, 0.2824, 0.3149

### Protanopia

64.6844, 0.3032, 0.3122

### Deuteranopia

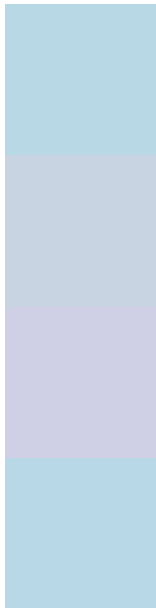
64.2711, 0.3073, 0.3007



## Tritanopia

64.6174, 0.2806, 0.3092

# Trichromacy



## Original Color

64.7804, 0.2824, 0.3149

## Protanomaly

64.8026, 0.2955, 0.3141

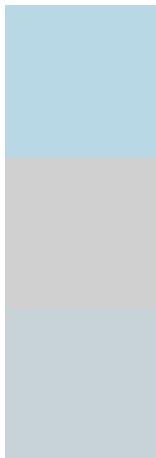
## Deuteranomaly

64.0343, 0.2978, 0.3054

## Tritanomaly

64.5607, 0.2812, 0.3103

# Monochromacy



## Original Color

64.7804, 0.2824, 0.3149

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.6369, 0.3013, 0.3243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7804, 0.2824, 0.3149 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(183, 216, 228)` looks like.

```
.text, #text, p{  
    color:rgb(183, 216, 228)  
}
```

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(183, 216, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 216, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7804, 0.2824, 0.3149 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(183, 216, 228) }
```

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

```
.border{ border-color:rgb(183, 216, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 216, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 216, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 216, 228);  
box-shadow:4px 4px 4px 4px rgb(183, 216,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7804, 0.2824, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 216, 228) }
```

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

```
.background{ background-color: rgb(183,  
216, 228) }
```

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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