

# Converting Colors

Yxy(64.4607, 0.2665, 0.3025)

Have a look what the booklet for  
Yxy(64.4607, 0.2665, 0.3025)  
contains.

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# Color

**Yxy(64.2418, 0.2664, 0.3019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8D9F0
RGB	168, 217, 240
RGB Percent	66%, 85%, 94%
CMY	0.3413, 0.1490, 0.0588
CMYK	0.30, 0.10, 0.00, 0.06
HSL	199°, 71%, 80%
HSV	199°, 30%, 94%
XYZ	56.6877, 64.2418, 91.8622
YIQ	204.9710, -36.5870, -3.2350

# Conversions

## Conversions Part 2

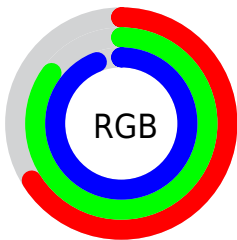
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	168, 197, 240
Decimal	11065840
CIE Lab	84.09, -10.55, -16.41
CIE LCh	84, 19.512, 237.256
Yxy	64.2418, 0.2664, 0.3019
Android (android.graphics.Color)	4289255920 (0xFFA8D9F0)
YUV	204.9710, 17.2693, -32.4236
Hunter-Lab	80.1510, -14.0181, -11.8474

# Details

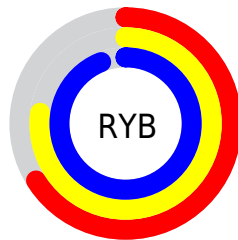
The Yxy color **64.2418, 0.2664, 0.3019** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.6119, 0.3728, 0.3545**, and the grayscale version is **60.9360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **32.8788, 0.2555, 0.2947** is the 20% darker color. If you saturate the color by 10%, you get **57.9879, 0.2517, 0.2912**, and if you desaturate by 10%, it is **71.1706, 0.2817, 0.3118**.

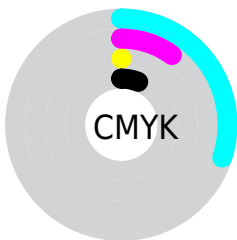
# Distribution



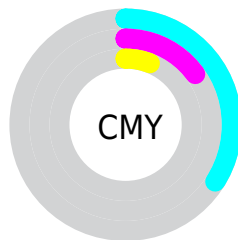
- Red (66%)
- Green (85%)
- Blue (94%)



- Red (66%)
- Yellow (77%)
- Blue (94%)



- Cyan (30%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)



- Cyan (34%)
- Magenta (15%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2418, 0.2664, 0.3019 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 64.2418, 0.2664, 0.3019 by changing the saturation by 10% instead.



64.2418, 0.2664,  
0.3019

64.2418, 0.2664,  
0.3019

440.0623, 0.2879,  
0.3150

46.8465, 0.2615,  
0.2988

110.9591, 0.2739,  
0.3065

32.9144, 0.2554,  
0.2949

141.0499, 0.2768,  
0.3083

22.0608, 0.2476,  
0.2899

176.1414, 0.2793,  
0.3098

13.9016, 0.2376,  
0.2832

216.6179, 0.2815,  
0.3111

8.0523, 0.2239,  
0.2738

262.8639, 0.2834,  
0.3123

4.1284, 0.2044,  
0.2598

315.2637, 0.2851,

1.7457, 0.1746,

0.3133

0.2370

374.2017, 0.2866,  
0.3142

0.4530, 0.0710,  
0.1859

0.0000, 0.0000,  
0.0000

64.2418, 0.2664,  
0.3019

64.2418, 0.2664,  
0.3019

57.9879, 0.2517,  
0.2912

71.1706, 0.2817,  
0.3118

52.3720, 0.2379,  
0.2799

78.7937, 0.2972,  
0.3208

47.3647, 0.2255,  
0.2680

87.1391, 0.3127,  
0.3290

42.9307, 0.2147,  
0.2558

94.4863, 0.3220,  
0.3364

■ 39.0298, 0.2059,  
0.2435

■ 99.0723, 0.3214,  
0.3434

■ 35.6149, 0.1992,  
0.2313

■ 32.6116, 0.1943,  
0.2193

# Harmonies

## Analogous

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



64.2418, 0.2705, 0.3218



64.2418, 0.2664, 0.3019



64.2418, 0.2741, 0.2903

# Triad

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



64.2418, 0.2664, 0.3019



64.2418, 0.3400, 0.3133



64.2418, 0.3324, 0.3724

# Complementary

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



64.2418, 0.2664, 0.3019



58.6119, 0.3728, 0.3545

# 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.



64.2418, 0.3521, 0.3681



64.2418, 0.2664, 0.3019



64.2418, 0.3568, 0.3335

# Square

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



64.2418, 0.2664, 0.3019



64.2418, 0.3160, 0.2973



64.2418, 0.3613, 0.3535



64.2418, 0.3080, 0.3640



# Rectangle

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



64.2418, 0.2664, 0.3019



64.2418, 0.2851, 0.2882



64.2418, 0.3613, 0.3535



64.2418, 0.3399, 0.3724

# Sweetspot

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



64.2444, 0.2664, 0.3019



91.3159, 0.2987, 0.3217



74.4051, 0.2958, 0.3883



19.2586, 0.2965, 0.3204



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

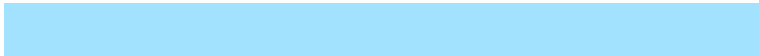


# Same Dimension

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



64.2444, 0.2664, 0.3019



69.2452, 0.2573, 0.2955



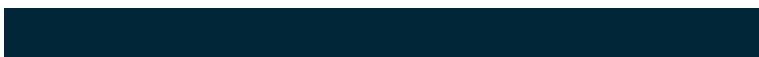
47.7389, 0.2614, 0.2576



17.0279, 0.2981, 0.3213



18.0998, 0.1948, 0.2212



1.6843, 0.1992, 0.2371



# Inverse Universe

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



51.5364, 0.3353, 0.2766



52.9988, 0.3413, 0.2658



76.1890, 0.3618, 0.3914



15.9405, 0.3187, 0.3131



11.6205, 0.4219, 0.2098

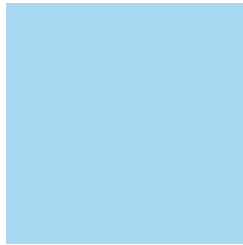


0.9847, 0.4053, 0.2006



# Previews

## White Background



This preview shows how the Yxy color 64.2418, 0.2664, 0.3019 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

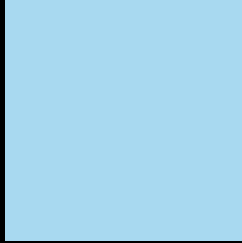
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.2418, 0.2664, 0.3019 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

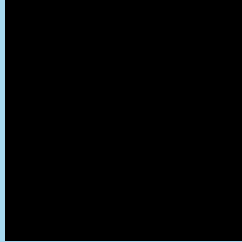
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.2418, 0.2664, 0.3019**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2418, 0.2664, 0.3019.

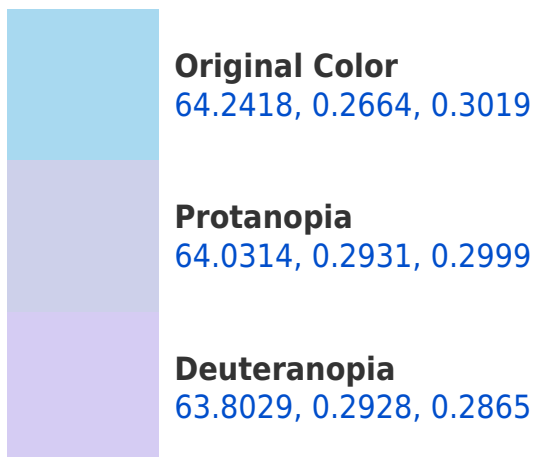


This preview shows how white text looks on a background with the Yxy color 64.2418, 0.2664, 0.3019.

# 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

64.3565, 0.2687, 0.3088

# Trichromacy



**Original Color**

64.2418, 0.2664, 0.3019

**Protanomaly**

63.8511, 0.2831, 0.3004

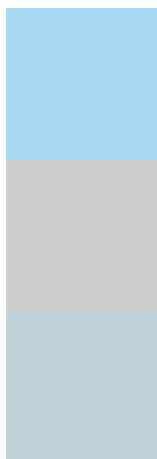
**Deuteranomaly**

63.8821, 0.2827, 0.2920

**Tritanomaly**

64.4727, 0.2676, 0.3065

# Monochromacy



**Original Color**

64.2418, 0.2664, 0.3019

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

61.8694, 0.2943, 0.3184

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2418, 0.2664, 0.3019 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, 217, 240)` looks like.

```
.text, #text, p{  
    color:rgb(168, 217, 240)  
}
```

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, 217, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 217, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2418, 0.2664, 0.3019 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, 217, 240) }
```

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

```
.border{ border-color:rgb(168, 217, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 217, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 217, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 217, 240);  
box-shadow:4px 4px 4px 4px rgb(168, 217,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2418, 0.2664, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 217, 240) }
```

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

```
.background{ background-color: rgb(168,  
217, 240) }
```

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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