

# Converting Colors

$Yxy(64.1272, 0.2669, 0.3057)$

Have a look what the booklet for  
Yxy(64.1272, 0.2669, 0.3057)  
contains.

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# Color

**Yxy(64.3642, 0.2670, 0.3064)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6DAED
RGB	166, 218, 237
RGB Percent	65%, 85%, 93%
CMY	0.3490, 0.1451, 0.0704
CMYK	0.30, 0.08, 0.00, 0.07
HSL	196°, 66%, 79%
HSV	196°, 30%, 93%
XYZ	56.0876, 64.3642, 89.6141
YIQ	204.6180, -37.0910, -5.1150

# Conversions

## Conversions Part 2

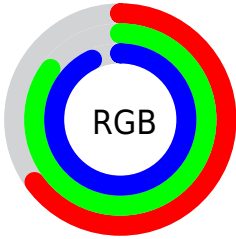
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 196, 237
Decimal	10935021
CIELab	84.16, -12.32, -14.75
CIELCh	84, 19.215, 230.129
Yxy	64.3642, 0.2670, 0.3064
Android (android.graphics.Color)	4289125101 (0xFFA6DAED)
YUV	204.6180, 15.9643, -33.8680
Hunter-Lab	80.2273, -15.6069, -10.0680

# Details

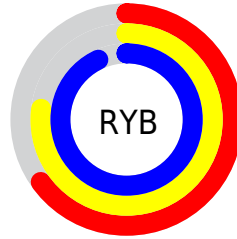
The Yxy color **64.3642, 0.2670, 0.3064** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.4789, 0.3738, 0.3504**, and the grayscale version is **60.7125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **32.9753, 0.2563, 0.3006** is the 20% darker color. If you saturate the color by 10%, you get **58.8049, 0.2528, 0.2976**, and if you desaturate by 10%, it is **70.5270, 0.2820, 0.3146**.

# Distribution



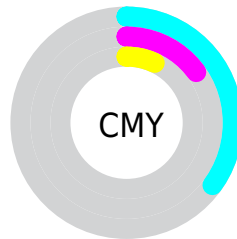
- Red (65%)
- Green (85%)
- Blue (93%)



- Red (65%)
- Yellow (77%)
- Blue (93%)



- Cyan (30%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (35%)
- Magenta (15%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3642, 0.2670, 0.3064 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 64.3642, 0.2670, 0.3064 by changing the saturation by 10% instead.




 64.3642, 0.2670,  
0.3064

 64.3642, 0.2670,  
0.3064


440.5036, 0.2883,  
0.3174

 46.9457, 0.2621,  
0.3038


 111.1353, 0.2744,  
0.3103

 32.9927, 0.2561,  
0.3005


 141.2567, 0.2773,  
0.3118

 22.1209, 0.2485,  
0.2962


176.3811, 0.2797,  
0.3131

 13.9458, 0.2385,  
0.2904

216.8931, 0.2819,  
0.3142

 8.0829, 0.2249,  
0.2822

263.1769, 0.2838,  
0.3151

 4.1481, 0.2056,  
0.2699

315.6170, 0.2854,

 1.7567, 0.1759,

0.3160

0.2495

374.5978, 0.2869,  
0.3167

0.4600, 0.0608,  
0.2047

0.0000, 0.0000,  
0.0000

64.3642, 0.2670,  
0.3064

64.3642, 0.2670,  
0.3064

58.8049, 0.2528,  
0.2976

70.5270, 0.2820,  
0.3146

53.8140, 0.2396,  
0.2882

77.3109, 0.2973,  
0.3222

49.3643, 0.2279,  
0.2784

84.7423, 0.3128,  
0.3290

45.4224, 0.2179,  
0.2683

91.7229, 0.3242,  
0.3352

■ 41.9507, 0.2098,  
0.2582

■ 95.5996, 0.3236,  
0.3413

■ 38.9045, 0.2038,  
0.2481

■ 98.8965, 0.3232,  
0.3463

■ 36.2091, 0.1995,  
0.2381

■ 36.2003, 0.1995,  
0.2381

# Harmonies

## Analogous

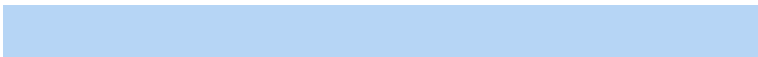
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.3642, 0.2737, 0.3273



64.3642, 0.2670, 0.3064



64.3642, 0.2719, 0.2927

# Triad

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



64.3642, 0.2670, 0.3064



64.3642, 0.3343, 0.3093



64.3642, 0.3374, 0.3718

# Complementary

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



64.3642, 0.2670, 0.3064



55.4789, 0.3738, 0.3504

# 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.



64.3642, 0.3548, 0.3648



64.3642, 0.2670, 0.3064



64.3642, 0.3531, 0.3286

# Square

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



64.3642, 0.2670, 0.3064



64.3642, 0.3101, 0.2950



64.3642, 0.3607, 0.3488



64.3642, 0.3139, 0.3665



# Rectangle

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



64.3642, 0.2670, 0.3064



64.3642, 0.2812, 0.2890



64.3642, 0.3607, 0.3488



64.3642, 0.3442, 0.3708

# Sweetspot

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



64.3668, 0.2670, 0.3064



92.0426, 0.2988, 0.3228



72.1969, 0.2979, 0.3926



19.4383, 0.2965, 0.3218



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

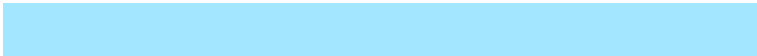


# Same Dimension

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



64.3668, 0.2670, 0.3064



71.8433, 0.2581, 0.3010



47.9175, 0.2620, 0.2623



16.3993, 0.2981, 0.3225



19.9849, 0.1999, 0.2397



1.7263, 0.2038, 0.2535



# Inverse Universe

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



50.3469, 0.3321, 0.2730



53.2610, 0.3372, 0.2614



72.1930, 0.3627, 0.3878



15.2409, 0.3179, 0.3119



11.5103, 0.4026, 0.1992

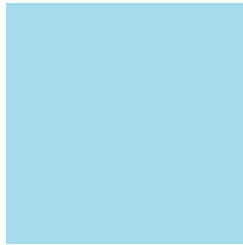


0.9197, 0.3887, 0.1915



# Previews

## White Background



This preview shows how the Yxy color 64.3642, 0.2670, 0.3064 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

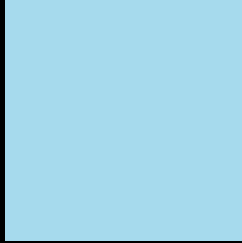
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.3642, 0.2670, 0.3064 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

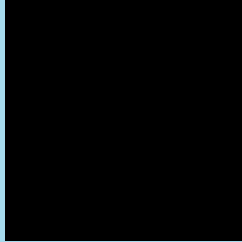
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.3642, 0.2670, 0.3064**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.3642, 0.2670, 0.3064.



This preview shows how white text looks on a background with the Yxy color 64.3642, 0.2670, 0.3064.

# 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

64.3642, 0.2670, 0.3064

### Protanopia

64.1467, 0.2965, 0.3032

### Deuteranopia

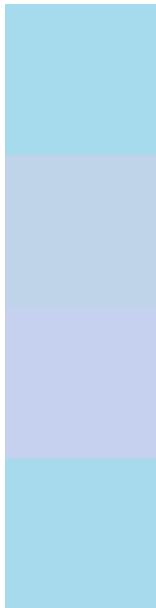
63.9241, 0.2962, 0.2898



## Tritanopia

64.3059, 0.2676, 0.3076

# Trichromacy



**Original Color**

64.3642, 0.2670, 0.3064

**Protanomaly**

64.1766, 0.2850, 0.3049

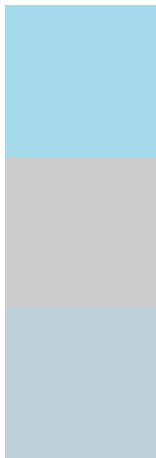
**Deuteranomaly**

63.7032, 0.2845, 0.2952

**Tritanomaly**

64.3059, 0.2676, 0.3076

# Monochromacy



**Original Color**

64.3642, 0.2670, 0.3064

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

62.1793, 0.2943, 0.3207

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.3642, 0.2670, 0.3064 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(166, 218, 237)` looks like.

```
.text, #text, p{  
    color:rgb(166, 218, 237)  
}
```

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(166, 218, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 218, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 64.3642, 0.2670, 0.3064 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(166, 218, 237) }
```

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

```
.border{ border-color:rgb(166, 218, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 218, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 218, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 218, 237);  
box-shadow:4px 4px 4px 4px rgb(166, 218,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.3642, 0.2670, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 218, 237) }
```

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

```
.background{ background-color: rgb(166,  
218, 237) }
```

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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