

# Converting Colors

Yxy(64.9960, 0.2568, 0.3079)

Have a look what the booklet for  
Yxy(64.9960, 0.2568, 0.3079)  
contains.

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# Color

**Yxy(64.9234, 0.2567, 0.3073)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95DEF0
RGB	149, 222, 240
RGB Percent	58%, 87%, 94%
CMY	0.4160, 0.1293, 0.0588
CMYK	0.38, 0.07, 0.00, 0.06
HSL	192°, 75%, 76%
HSV	192°, 38%, 94%
XYZ	54.2331, 64.9234, 92.1139
YIQ	202.2250, -49.2860, -9.8780

# Conversions

## Conversions Part 2

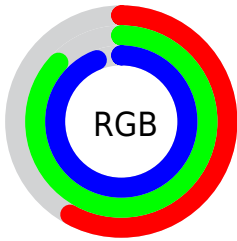
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	149, 190, 240
Decimal	9821936
CIE <sub>Lab</sub>	84.44, -18.24, -15.98
CIE <sub>LCh</sub>	84, 24.246, 221.216
Yxy	64.9234, 0.2567, 0.3073
Android (android.graphics.Color)	4288012016 (0xFF95DEF0)
YUV	202.2250, 18.6231, -46.6783
Hunter-Lab	80.5751, -20.8623, -11.3782

# Details

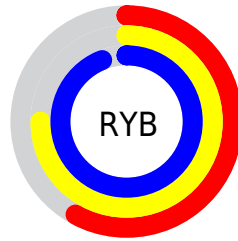
The Yxy color **64.9234, 0.2567, 0.3073** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2973, 0.3989, 0.3493**, and the grayscale version is **59.1063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **33.4253, 0.2436, 0.3017** is the 20% darker color. If you saturate the color by 10%, you get **60.4151, 0.2441, 0.3006**, and if you desaturate by 10%, it is **69.9726, 0.2705, 0.3137**.

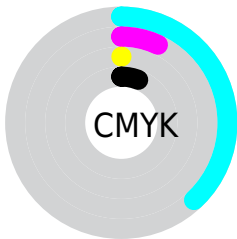
# Distribution



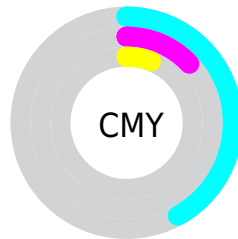
- Red (58%)
- Green (87%)
- Blue (94%)



- Red (58%)
- Yellow (75%)
- Blue (94%)



- Cyan (38%)
- Magenta (7%)
- Yellow (0%)
- Black (6%)



- Cyan (42%)
- Magenta (13%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9234, 0.2567, 0.3073 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 64.9234, 0.2567, 0.3073 by changing the saturation by 10% instead.




 64.9234, 0.2567,  
0.3073

 64.9234, 0.2567,  
0.3073


442.5167, 0.2826,  
0.3181

 47.3990, 0.2508,  
0.3047


 111.9397, 0.2657,  
0.3112

 33.3512, 0.2436,  
0.3014


 142.2004, 0.2692,  
0.3126

 22.3956, 0.2344,  
0.2970


177.4753, 0.2722,  
0.3139

 14.1479, 0.2226,  
0.2911

218.1488, 0.2748,  
0.3149

 8.2236, 0.2066,  
0.2828

264.6053, 0.2771,  
0.3159

 4.2383, 0.1842,  
0.2700

317.2291, 0.2791,

 1.8078, 0.1508,

0.3167

0.2486

376.4048, 0.2810,  
0.3174

0.4920, 0.0096,  
0.2099

0.0000, 0.0000,  
0.0000

64.9234, 0.2567,  
0.3073

64.9234, 0.2567,  
0.3073

60.4151, 0.2441,  
0.3006

69.9726, 0.2705,  
0.3137

56.4107, 0.2330,  
0.2936

75.5820, 0.2852,  
0.3196

52.8801, 0.2236,  
0.2864

81.7789, 0.3004,  
0.3250

49.7865, 0.2162,  
0.2791

88.5868, 0.3159,  
0.3300

■ 47.0865, 0.2108,  
0.2719

■ 93.2903, 0.3222,  
0.3346

■ 44.7207, 0.2071,  
0.2647

■ 96.2061, 0.3218,  
0.3391

■ 44.2592, 0.2065,  
0.2632

■ 99.0716, 0.3214,  
0.3434

# Harmonies

## Analogous

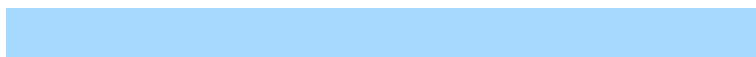
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.9234, 0.2690, 0.3353



64.9234, 0.2567, 0.3073



64.9234, 0.2585, 0.2872

# Triad

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



64.9234, 0.2567, 0.3073



64.9234, 0.3310, 0.2983



64.9234, 0.3512, 0.3819

# Complementary

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



64.9234, 0.2567, 0.3073



48.2973, 0.3989, 0.3493

# 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.



64.9234, 0.3696, 0.3685



64.9234, 0.2567, 0.3073



64.9234, 0.3579, 0.3207

# Square

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



64.9234, 0.2567, 0.3073



64.9234, 0.3002, 0.2833



64.9234, 0.3722, 0.3460



64.9234, 0.3230, 0.3804



# Rectangle

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



64.9234, 0.2567, 0.3073



64.9234, 0.2674, 0.2804



64.9234, 0.3722, 0.3460



64.9234, 0.3588, 0.3788

# Sweetspot

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



64.9259, 0.2567, 0.3073



91.5793, 0.2957, 0.3234



71.4445, 0.2984, 0.4231



19.3922, 0.2936, 0.3227



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

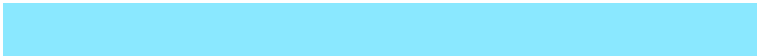


# Same Dimension

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



64.9259, 0.2567, 0.3073



70.2187, 0.2463, 0.3018



44.4209, 0.2483, 0.2508



17.3676, 0.2981, 0.3242



24.4184, 0.2068, 0.2644



2.1649, 0.2094, 0.2739



# Inverse Universe

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



45.2711, 0.3329, 0.2517



45.1679, 0.3385, 0.2358



67.3625, 0.3804, 0.3961



15.9748, 0.3168, 0.3102



12.2584, 0.3781, 0.1857

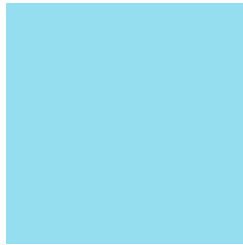


1.0333, 0.3692, 0.1807



# Previews

## White Background



This preview shows how the Yxy color 64.9234, 0.2567, 0.3073 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

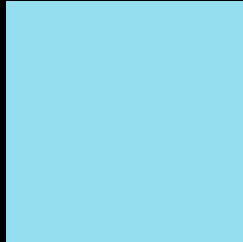
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9234, 0.2567, 0.3073 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

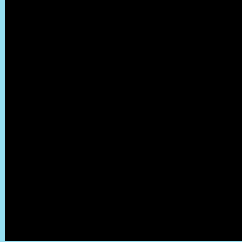
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.9234, 0.2567, 0.3073**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9234, 0.2567, 0.3073.

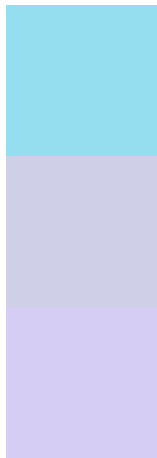


This preview shows how white text looks on a background with the Yxy color 64.9234, 0.2567, 0.3073.

# 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

64.9234, 0.2567, 0.3073

### Protanopia

64.1467, 0.2965, 0.3032

### Deuteranopia

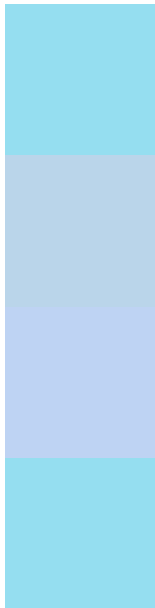
64.4904, 0.2929, 0.2867



## Tritanopia

64.9234, 0.2567, 0.3073

# Trichromacy



**Original Color**

64.9234, 0.2567, 0.3073

**Protanomaly**

63.9681, 0.2805, 0.3047

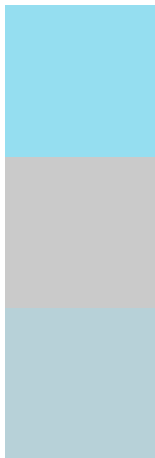
**Deuteranomaly**

64.0067, 0.2776, 0.2927

**Tritanomaly**

64.9234, 0.2567, 0.3073

# Monochromacy



**Original Color**

64.9234, 0.2567, 0.3073

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

60.6261, 0.2893, 0.3205

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9234, 0.2567, 0.3073 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(149, 222, 240)` looks like.

```
.text, #text, p{  
    color:rgb(149, 222, 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(149, 222, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 222, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9234, 0.2567, 0.3073 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(149, 222, 240) }
```

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

```
.border{ border-color:rgb(149, 222, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 222, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 222, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 222, 240);  
box-shadow:4px 4px 4px 4px rgb(149, 222,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9234, 0.2567, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 222, 240) }
```

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

```
.background{ background-color: rgb(149,  
222, 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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