

# Converting Colors

$Yxy(67.5609, 0.2424, 0.3058)$

Have a look what the booklet for  
Yxy(67.5609, 0.2424, 0.3058)  
contains.

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# Color

**Yxy(67.6441, 0.2423, 0.3060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BE6F9
RGB	123, 230, 249
RGB Percent	48%, 90%, 98%
CMY	0.5177, 0.0980, 0.0235
CMYK	0.51, 0.08, 0.00, 0.02
HSL	189°, 91%, 73%
HSV	189°, 51%, 98%
XYZ	53.5626, 67.6441, 99.8524
YIQ	200.1730, -69.8710, -16.7750

# Conversions

## Conversions Part 2

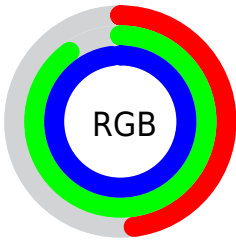
Format	Color
R <sub>Y</sub> B	123, 181, 249
Decimal	8120057
CIE Lab	85.83, -25.92, -18.74
CIE LCh	86, 31.987, 215.874
Yxy	67.6441, 0.2423, 0.3060
Android (android.graphics.Color)	4286310137 (0xFF7BE6F9)
YUV	200.1730, 24.0717, -67.6807
Hunter-Lab	82.2460, -27.6826, -14.4100

# Details

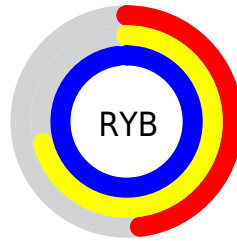
The Yxy color **67.6441, 0.2423, 0.3060** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.9121, 0.4467, 0.3494**, and the grayscale version is **57.7529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **35.0522, 0.2262, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **63.9714, 0.2323, 0.3007**, and if you desaturate by 10%, it is **71.8338, 0.2540, 0.3111**.

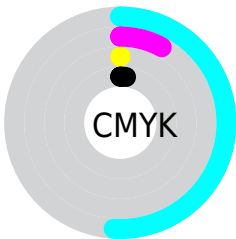
# Distribution



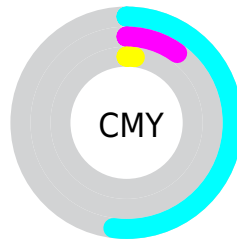
- Red (48%)
- Green (90%)
- Blue (98%)



- Red (48%)
- Yellow (71%)
- Blue (98%)



- Cyan (51%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)




- Cyan (52%)
- Magenta (10%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6441, 0.2423, 0.3060 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 67.6441, 0.2423, 0.3060 by changing the saturation by 10% instead.




 67.6441, 0.2423,  
0.3060

 67.6441, 0.2423,  
0.3060

452.2340, 0.2744,  
0.3176

 49.6082, 0.2351,  
0.3031


 115.8429, 0.2533,  
0.3102

 35.1022, 0.2264,  
0.2995


 146.7746, 0.2576,  
0.3118

 23.7416, 0.2155,  
0.2947


 182.7736, 0.2613,  
0.3131

 15.1421, 0.2015,  
0.2882

224.2245, 0.2646,  
0.3143

 8.9192, 0.1832,  
0.2790

271.5116, 0.2675,  
0.3153

 4.6885, 0.1581,  
0.2650

325.0193, 0.2700,

 2.0657, 0.1226,

0.3162

385.1320, 0.2723,  
0.3169

0.2418

0.6452, 0.0000,  
0.2092

0.0000, 0.0000,  
0.0000

67.6441, 0.2423,  
0.3060

67.6441, 0.2423,  
0.3060

63.9714, 0.2323,  
0.3007

71.8338, 0.2540,  
0.3111

60.7716, 0.2241,  
0.2953

76.5654, 0.2671,  
0.3160

58.0056, 0.2179,  
0.2899

81.8713, 0.2813,  
0.3206

55.6235, 0.2136,  
0.2845

87.7788, 0.2963,  
0.3249

■ 53.6597, 0.2110,  
0.2795

■ 94.3136, 0.3118,  
0.3288

■ 98.0497, 0.3163,  
0.3324

■ 99.6194, 0.3162,  
0.3347

# Harmonies

## Analogous

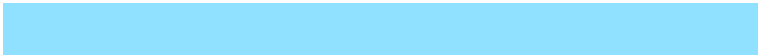
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.6441, 0.2607, 0.3437



67.6441, 0.2423, 0.3060



67.6441, 0.2414, 0.2781

# Triad

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



67.6441, 0.2423, 0.3060



67.6441, 0.3291, 0.2854



67.6441, 0.3678, 0.3957

# Complementary

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



67.6441, 0.2423, 0.3060



40.9121, 0.4467, 0.3494

# 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.



67.6441, 0.3889, 0.3747



67.6441, 0.2423, 0.3060



67.6441, 0.3662, 0.3123

# Square

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



67.6441, 0.2423, 0.3060



67.6441, 0.2894, 0.2686



67.6441, 0.3886, 0.3442



67.6441, 0.3325, 0.3987

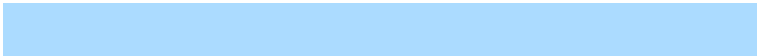


# Rectangle

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



67.6441, 0.2423, 0.3060



67.6441, 0.2507, 0.2679



67.6441, 0.3886, 0.3442



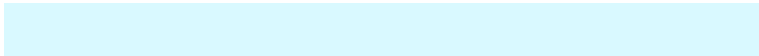
67.6441, 0.3768, 0.3903

# Sweetspot

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



67.6467, 0.2423, 0.3060



89.8299, 0.2896, 0.3230



73.9102, 0.2966, 0.4673



18.9470, 0.2865, 0.3221



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

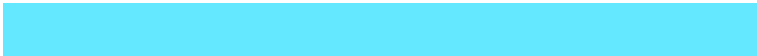


# Same Dimension

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



67.6467, 0.2423, 0.3060



67.3605, 0.2318, 0.3004



38.7233, 0.2262, 0.2240



19.1365, 0.2980, 0.3253



28.8921, 0.2112, 0.2803



2.7929, 0.2130, 0.2867



# Inverse Universe

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



40.0180, 0.3360, 0.2225



36.0701, 0.3421, 0.2048



65.1827, 0.4091, 0.4137



17.4769, 0.3161, 0.3091



13.3276, 0.3632, 0.1774

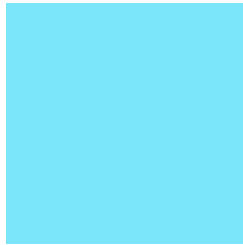


1.2462, 0.3573, 0.1742



# Previews

## White Background



This preview shows how the Yxy color 67.6441, 0.2423, 0.3060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

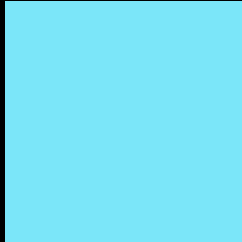
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.6441, 0.2423, 0.3060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

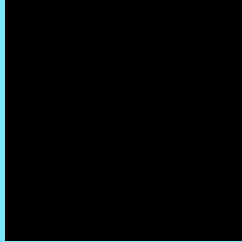
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.6441, 0.2423, 0.3060**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.6441, 0.2423, 0.3060.

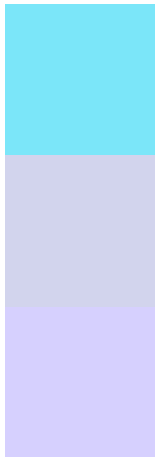


This preview shows how white text looks on a background with the Yxy color 67.6441, 0.2423, 0.3060.

# 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

67.6441, 0.2423, 0.3060

### Protanopia

66.9030, 0.2948, 0.3015

### Deuteranopia

66.5636, 0.2867, 0.2800



## Tritanopia

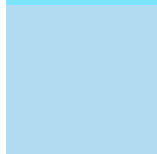
67.6441, 0.2423, 0.3060

# Trichromacy



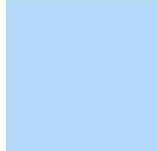
## Original Color

67.6441, 0.2423, 0.3060



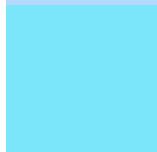
## Protanomaly

66.4789, 0.2721, 0.3036



## Deuteranomaly

65.9638, 0.2675, 0.2884



## Tritanomaly

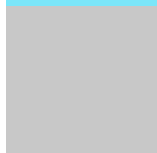
67.6441, 0.2423, 0.3060

# Monochromacy



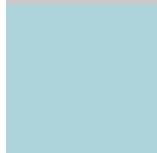
## Original Color

67.6441, 0.2423, 0.3060



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

60.4211, 0.2808, 0.3204

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6441, 0.2423, 0.3060 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(123, 230, 249)` looks like.

```
.text, #text, p{  
    color:rgb(123, 230, 249)  
}
```

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(123, 230, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 230, 249) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6441, 0.2423, 0.3060 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(123, 230, 249) }
```

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

```
.border{ border-color:rgb(123, 230, 249) }
```

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

Here you see how a box with a 4 pixel rgb(123, 230, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 230, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 230, 249);  
box-shadow:4px 4px 4px 4px rgb(123, 230,  
249) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6441, 0.2423, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 230, 249) }
```

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

```
.background{ background-color: rgb(123,  
230, 249) }
```

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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