

# Converting Colors

$Yxy(69.8924, 0.2458, 0.3203)$

Have a look what the booklet for  
Yxy(69.8924, 0.2458, 0.3203)  
contains.

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# Color

**Yxy(69.8924, 0.2458, 0.3203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79EBF2
RGB	121, 235, 242
RGB Percent	47%, 92%, 95%
CMY	0.5250, 0.0785, 0.0509
CMYK	0.50, 0.03, 0.00, 0.05
HSL	183°, 82%, 71%
HSV	183°, 50%, 95%
XYZ	53.6358, 69.8924, 94.6810
YIQ	201.7120, -70.1910, -21.9910

# Conversions

## Conversions Part 2

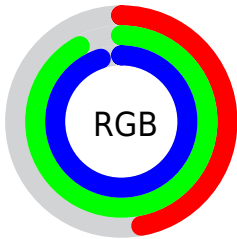
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">121, 180, 242</a>
Decimal	<a href="#">7990258</a>
CIELab	<a href="#">86.94, -30.54, -13.41</a>
CIELCh	<a href="#">87, 33.355, 203.699</a>
Yxy	<a href="#">69.8924, 0.2458, 0.3203</a>
Android (android.graphics.Color)	<a href="#">4286180338 (0xFF79EBF2)</a>
YUV	<a href="#">201.7120, 19.8620, -70.7844</a>
Hunter-Lab	<a href="#">83.6017, -31.7838, -8.6262</a>

# Details

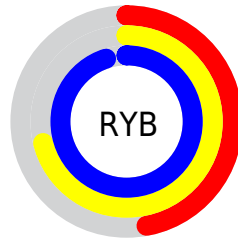
The Yxy color **69.8924, 0.2458, 0.3203** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.7459, 0.4508, 0.3370**, and the grayscale version is **58.8022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **36.6261, 0.2307, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **67.5552, 0.2368, 0.3183**, and if you desaturate by 10%, it is **72.6801, 0.2566, 0.3222**.

# Distribution



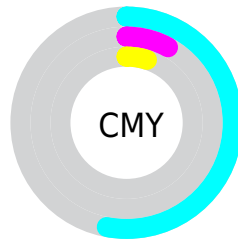
- Red (47%)
- Green (92%)
- Blue (95%)



- Red (47%)
- Yellow (71%)
- Blue (95%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)




- Cyan (53%)
- Magenta (8%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8924, 0.2458, 0.3203 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 69.8924, 0.2458, 0.3203 by changing the saturation by 10% instead.





 69.8924, 0.2458,  
0.3203


 69.8924, 0.2458,  
0.3203


460.1721, 0.2762,  
0.3252


 51.4388, 0.2390,  
0.3190


 119.0553, 0.2562,  
0.3221

 36.5580, 0.2307,  
0.3173


 150.5334, 0.2603,  
0.3228

 24.8654, 0.2203,  
0.3150


 187.1218, 0.2639,  
0.3234

 15.9768, 0.2070,  
0.3117

229.2049, 0.2670,  
0.3238

 9.5078, 0.1895,  
0.3067

277.1671, 0.2697,  
0.3242

 5.0738, 0.1653,  
0.2988

331.3928, 0.2721,

 2.2906, 0.1307,

0.3246

0.2844

392.2663, 0.2743,  
0.3249

0.7688, 0.0000,  
0.2754

0.0000, 0.0000,  
0.0000

69.8924, 0.2458,  
0.3203

69.8924, 0.2458,  
0.3203

67.5552, 0.2368,  
0.3183

72.6801, 0.2566,  
0.3222

65.6269, 0.2297,  
0.3163


75.9401, 0.2690,  
0.3241


64.0720, 0.2246,  
0.3143


79.7025, 0.2827,  
0.3258


62.8451, 0.2214,  
0.3124

83.9925, 0.2974,  
0.3275


 61.8701, 0.2196,  
0.3105


 88.8337, 0.3128,  
0.3290

 61.8653, 0.2196,  
0.3105

 92.0326, 0.3211,  
0.3304

 92.8805, 0.3210,  
0.3318

 93.7349, 0.3209,  
0.3331

 94.5958, 0.3208,  
0.3345

# Harmonies

## Analogous

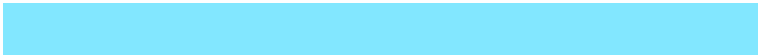
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.8924, 0.2713, 0.3603



69.8924, 0.2458, 0.3203



69.8924, 0.2375, 0.2864

# Triad

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



69.8924, 0.2458, 0.3203



69.8924, 0.3125, 0.2756



69.8924, 0.3806, 0.3907

# Complementary

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



69.8924, 0.2458, 0.3203



35.7459, 0.4508, 0.3370

# 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.



69.8924, 0.3941, 0.3639



69.8924, 0.2458, 0.3203



69.8924, 0.3535, 0.2996

# Square

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



69.8924, 0.2458, 0.3203



69.8924, 0.2740, 0.2637



69.8924, 0.3842, 0.3310



69.8924, 0.3489, 0.4024

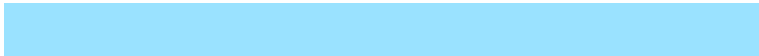


# Rectangle

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



69.8924, 0.2458, 0.3203



69.8924, 0.2421, 0.2716



69.8924, 0.3842, 0.3310



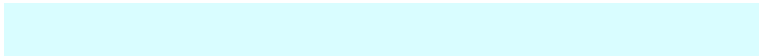
69.8924, 0.3875, 0.3829

# Sweetspot

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



69.8951, 0.2458, 0.3203



92.0420, 0.2898, 0.3267



69.1265, 0.3025, 0.4806



19.4854, 0.2867, 0.3263



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.



69.8951, 0.2458, 0.3203



76.0170, 0.2366, 0.3183



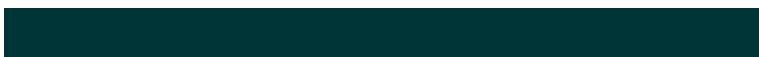
41.3538, 0.2307, 0.2423



17.7622, 0.2981, 0.3276



33.3003, 0.2197, 0.3108



2.8178, 0.2204, 0.3133



# Inverse Universe

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



38.5851, 0.3248, 0.2144



37.4227, 0.3275, 0.1957



56.0685, 0.4143, 0.4006



16.0146, 0.3147, 0.3071



13.1550, 0.3360, 0.1625

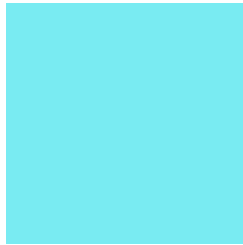


1.0992, 0.3339, 0.1613



# Previews

## White Background



This preview shows how the Yxy color 69.8924, 0.2458, 0.3203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

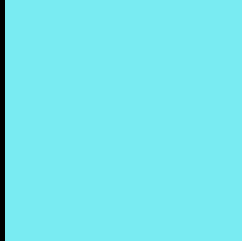
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8924, 0.2458, 0.3203 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 69.8924, 0.2458, 0.3203**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8924, 0.2458, 0.3203.

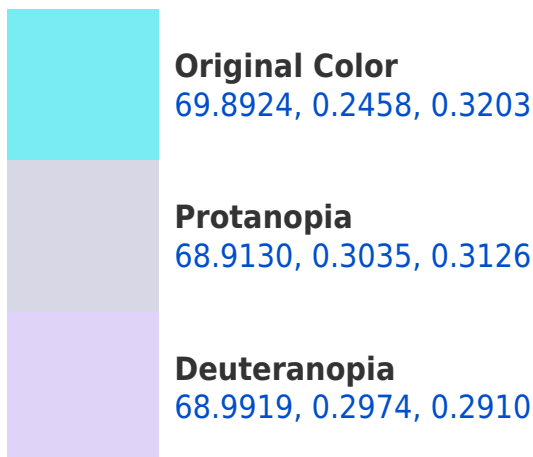


This preview shows how white text looks on a background with the Yxy color 69.8924, 0.2458, 0.3203.

# 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

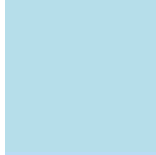
69.6661, 0.2425, 0.3063

# Trichromacy



## Original Color

69.8924, 0.2458, 0.3203



## Protanomaly

68.1281, 0.2787, 0.3151



## Deuteranomaly

68.2181, 0.2748, 0.3008



## Tritanomaly

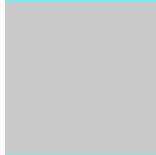
69.9080, 0.2441, 0.3121

# Monochromacy



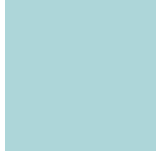
## Original Color

69.8924, 0.2458, 0.3203



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

61.9871, 0.2823, 0.3253

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8924, 0.2458, 0.3203 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(121, 235, 242)` looks like.

```
.text, #text, p{  
    color:rgb(121, 235, 242)  
}
```

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(121, 235, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 235, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8924, 0.2458, 0.3203 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(121, 235, 242) }
```

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

```
.border{ border-color:rgb(121, 235, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 235, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(121, 235,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8924, 0.2458, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 235, 242) }
```

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

```
.background{ background-color: rgb(121,  
235, 242) }
```

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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