

# Converting Colors

$Yxy(67.9871, 0.2626, 0.3257)$

Have a look what the booklet for  
Yxy(67.9871, 0.2626, 0.3257)  
contains.

<b>Yxy(68.2922, 0.2630, 0.3265)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(68.2922, 0.2630, 0.3265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96E5E7
RGB	150, 229, 231
RGB Percent	59%, 90%, 91%
CMY	0.4120, 0.1019, 0.0942
CMYK	0.35, 0.01, 0.00, 0.09
HSL	181°, 63%, 75%
HSV	181°, 35%, 91%
XYZ	55.0103, 68.2922, 85.8620
YIQ	205.6070, -47.7260, -16.1260

# Conversions

## Conversions Part 2

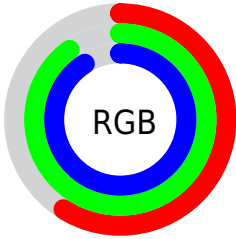
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 190, 231
Decimal	9889255
CIELab	86.15, -23.63, -8.65
CIElCh	86, 25.163, 200.107
Yxy	68.2922, 0.2630, 0.3265
Android (android.graphics.Color)	4288079335 (0xFF96E5E7)
YUV	205.6070, 12.5187, -48.7673
Hunter-Lab	82.6391, -25.7966, -3.7549

# Details

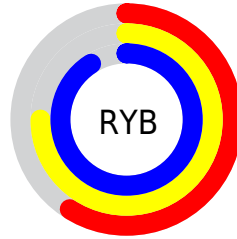
The Yxy color **68.2922, 0.2630, 0.3265** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.6109, 0.3956, 0.3315**, and the grayscale version is **61.3924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **35.3620, 0.2513, 0.3256** is the 20% darker color. If you saturate the color by 10%, you get **66.0082, 0.2518, 0.3257**, and if you desaturate by 10%, it is **71.0144, 0.2758, 0.3273**.

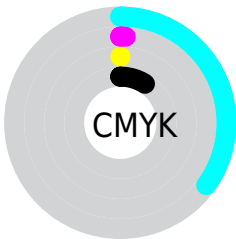
# Distribution



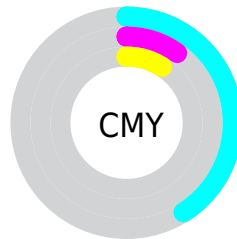
- Red (59%)
- Green (90%)
- Blue (91%)



- Red (59%)
- Yellow (75%)
- Blue (91%)



- Cyan (35%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)




- Cyan (41%)
- Magenta (10%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2922, 0.2630, 0.3265 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 68.2922, 0.2630, 0.3265 by changing the saturation by 10% instead.





 68.2922, 0.2630,  
0.3265


 68.2922, 0.2630,  
0.3265

454.5306, 0.2859,  
0.3281

 50.1355, 0.2578,  
0.3260


 116.7701, 0.2709,  
0.3271

 35.5211, 0.2514,  
0.3254


 147.8600, 0.2740,  
0.3274

 24.0645, 0.2433,  
0.3245

184.0298, 0.2767,  
0.3276

 15.3815, 0.2328,  
0.3231

225.6639, 0.2790,  
0.3277

 9.0876, 0.2186,  
0.3210

273.1466, 0.2810,  
0.3278

 4.7983, 0.1986,  
0.3173

326.8623, 0.2829,

 2.1294, 0.1682,

0.3279

387.1956, 0.2845,  
0.3280

0.3101

0.6811, 0.0328,  
0.3167

0.0000, 0.0000,  
0.0000

68.2922, 0.2630,  
0.3265

68.2922, 0.2630,  
0.3265

66.0082, 0.2518,  
0.3257

71.0144, 0.2758,  
0.3273

64.1288, 0.2423,  
0.3249

74.1900, 0.2898,  
0.3280

62.6284, 0.2346,  
0.3241

77.8436, 0.3048,  
0.3287

61.4754, 0.2290,  
0.3233

81.9954, 0.3205,  
0.3293

■ 60.6328, 0.2252,  
0.3224

■ 84.6311, 0.3292,  
0.3299

■ 60.0553, 0.2232,  
0.3217

■ 84.9452, 0.3292,  
0.3304

■ 59.8328, 0.2226,  
0.3213

■ 85.2603, 0.3291,  
0.3310

■ 85.5764, 0.3290,  
0.3315

■ 85.8935, 0.3290,  
0.3321

# Harmonies

## Analogous

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



68.2922, 0.2843, 0.3559



68.2922, 0.2630, 0.3265



68.2922, 0.2546, 0.2996

# Triad

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



68.2922, 0.2630, 0.3265



68.2922, 0.3091, 0.2859



68.2922, 0.3666, 0.3746

# Complementary

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



68.2922, 0.2630, 0.3265



41.6109, 0.3956, 0.3315

# 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.



68.2922, 0.3745, 0.3537



68.2922, 0.2630, 0.3265



68.2922, 0.3404, 0.3038

# Square

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



68.2922, 0.2630, 0.3265



68.2922, 0.2802, 0.2781



68.2922, 0.3648, 0.3281



68.2922, 0.3441, 0.3843

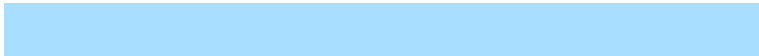


# Rectangle

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



68.2922, 0.2630, 0.3265



68.2922, 0.2571, 0.2869



68.2922, 0.3648, 0.3281



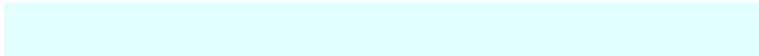
68.2922, 0.3711, 0.3686

# Sweetspot

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



68.2949, 0.2630, 0.3265



94.6314, 0.2958, 0.3283



65.8598, 0.3070, 0.4325



20.1246, 0.2937, 0.3282



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.



68.2949, 0.2630, 0.3265



83.3879, 0.2548, 0.3259



48.6903, 0.2562, 0.2759



16.2735, 0.2982, 0.3284



33.5803, 0.2226, 0.3214



2.5005, 0.2229, 0.3225



# Inverse Universe

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



44.4393, 0.3185, 0.2441



49.4630, 0.3197, 0.2277



56.8014, 0.3796, 0.3766



14.6089, 0.3142, 0.3064



12.5877, 0.3270, 0.1575

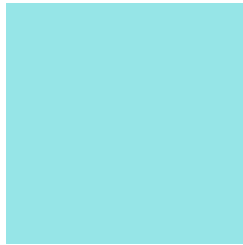


0.9321, 0.3261, 0.1570



# Previews

## White Background



This preview shows how the Yxy color 68.2922, 0.2630, 0.3265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

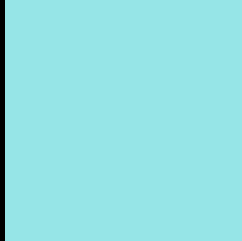
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.2922, 0.2630, 0.3265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

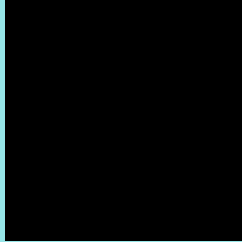
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.2922, 0.2630, 0.3265**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.2922, 0.2630, 0.3265.

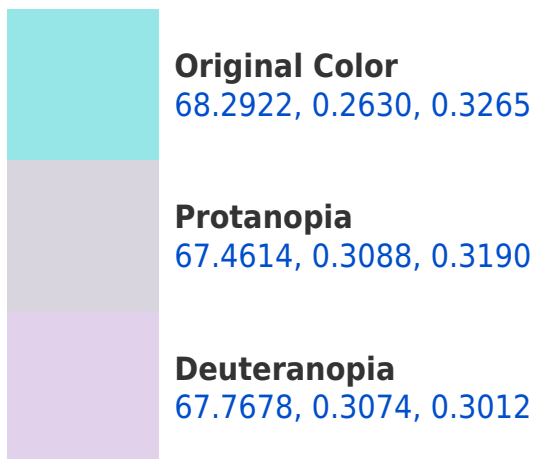


This preview shows how white text looks on a background with the Yxy color 68.2922, 0.2630, 0.3265.

# 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

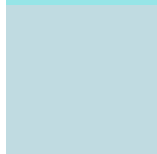
68.4008, 0.2577, 0.3078

# Trichromacy



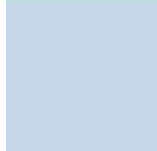
## Original Color

68.2922, 0.2630, 0.3265



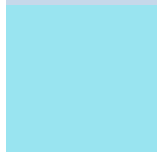
## Protanomaly

67.3057, 0.2902, 0.3220



## Deuteranomaly

67.0580, 0.2886, 0.3087



## Tritanomaly

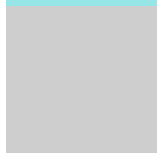
68.5504, 0.2599, 0.3147

# Monochromacy



## Original Color

68.2922, 0.2630, 0.3265



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

63.4385, 0.2922, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.2922, 0.2630, 0.3265 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(150, 229, 231)` looks like.

```
.text, #text, p{  
    color:rgb(150, 229, 231)  
}
```

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(150, 229, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 229, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 68.2922, 0.2630, 0.3265 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(150, 229, 231) }
```

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

```
.border{ border-color:rgb(150, 229, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 229, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 229, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 229, 231);  
box-shadow:4px 4px 4px 4px rgb(150, 229,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.2922, 0.2630, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 229, 231) }
```

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

```
.background{ background-color: rgb(150,  
229, 231) }
```

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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