

# Converting Colors

Yxy(69.6533, 0.2208, 0.3100)

Have a look what the booklet for  
Yxy(69.6533, 0.2208, 0.3100)  
contains.

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# Color

**Yxy(69.7871, 0.2209, 0.3103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1CF0FF
RGB	28, 240, 255
RGB Percent	11%, 94%, 100%
CMY	0.8909, 0.0588, 0.0001
CMYK	0.89, 0.06, 0.00, 0.00
HSL	184°, 100%, 55%
HSV	184°, 89%, 100%
XYZ	49.6809, 69.7871, 105.4341
YIQ	178.3220, -131.1670, -40.2790

# Conversions

## Conversions Part 2

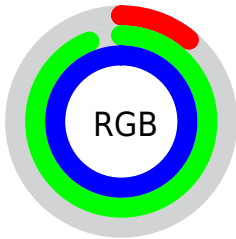
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	28, 138, 255
Decimal	1896703
CIE Lab	86.89, -40.73, -20.47
CIE LCh	87, 45.587, 206.675
Yxy	69.7871, 0.2209, 0.3103
Android (android.graphics.Color)	4280086783 (0xFF1CF0FF)
YUV	178.3220, 37.8023, -131.8324
Hunter-Lab	83.5387, -40.0379, -16.3528

# Details

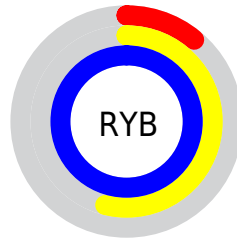
The Yxy color **69.7871, 0.2209, 0.3103** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.0497, 0.6161, 0.3358**, and the grayscale version is **44.5208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0251, 0.2460, 0.3288**, and **37.9442, 0.2181, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **68.5761, 0.2190, 0.3081**, and if you desaturate by 10%, it is **71.3042, 0.2244, 0.3125**.

# Distribution



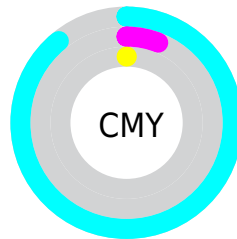
- Red (11%)
- Green (94%)
- Blue (100%)



- Red (11%)
- Yellow (54%)
- Blue (100%)



- Cyan (89%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (89%)
- Magenta (6%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7871, 0.2209, 0.3103 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 69.7871, 0.2209, 0.3103 by changing the saturation by 10% instead.





 69.7871, 0.2209,  
0.3103

 69.7871, 0.2209,  
0.3103

459.8021, 0.2620,  
0.3205


 51.3530, 0.2119,  
0.3076


 118.9051, 0.2349,  
0.3141

 36.4896, 0.2011,  
0.3042


 150.3578, 0.2404,  
0.3155

 24.8126, 0.1877,  
0.2995


 186.9187, 0.2452,  
0.3167

 15.9375, 0.1709,  
0.2931

 228.9724, 0.2494,  
0.3177

 9.4799, 0.1494,  
0.2837

276.9032, 0.2531,  
0.3186

 5.0555, 0.1212,  
0.2691

331.0955, 0.2564,

 2.2799, 0.0840,

0.3193

0.2446

391.9337, 0.2594,  
0.3199

0.7630, 0.0000,  
0.2066

0.0000, 0.0000,  
0.0000

69.7871, 0.2209,  
0.3103

69.7871, 0.2209,  
0.3103

68.5761, 0.2190,  
0.3081

71.3042, 0.2244,  
0.3125

68.4716, 0.2189,  
0.3079

73.1956, 0.2297,  
0.3148

75.5149, 0.2371,  
0.3171

78.3049, 0.2463,  
0.3193

81.6033, 0.2573,  
0.3215

85.4440, 0.2699,  
0.3236

89.8577, 0.2838,  
0.3256

94.8730, 0.2986,  
0.3274

99.9982, 0.3127,  
0.3290

# Harmonies

## Analogous

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



69.7871, 0.2518, 0.3666



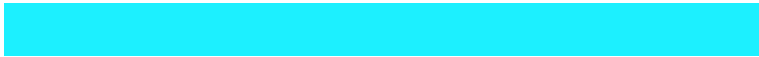
69.7871, 0.2209, 0.3103



69.7871, 0.2129, 0.2667

# Triad

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



69.7871, 0.2209, 0.3103



69.7871, 0.3173, 0.2607



69.7871, 0.4006, 0.4141

# Complementary

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



69.7871, 0.2209, 0.3103



23.0497, 0.6161, 0.3358

# 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.



69.7871, 0.4232, 0.3776



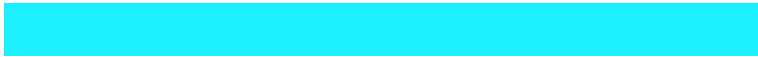
69.7871, 0.2209, 0.3103



69.7871, 0.3734, 0.2931

# Square

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



69.7871, 0.2209, 0.3103



69.7871, 0.2646, 0.2432



69.7871, 0.4136, 0.3343



69.7871, 0.3551, 0.4305



# Rectangle

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



69.7871, 0.2209, 0.3103



69.7871, 0.2205, 0.2493



69.7871, 0.4136, 0.3343



69.7871, 0.4113, 0.4034

# Sweetspot

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



69.7897, 0.2209, 0.3103



86.3388, 0.2727, 0.3240



71.8938, 0.2990, 0.5875



18.1771, 0.2682, 0.3233



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.



69.7897, 0.2209, 0.3103



68.4891, 0.2189, 0.3079



23.4387, 0.1795, 0.1587



20.2644, 0.2980, 0.3274



35.8745, 0.2190, 0.3083



3.5522, 0.2197, 0.3108



# Inverse Universe

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



28.3688, 0.3362, 0.1663



27.4452, 0.3385, 0.1638



44.0400, 0.5094, 0.4250



18.2785, 0.3148, 0.3071



14.3495, 0.3382, 0.1637

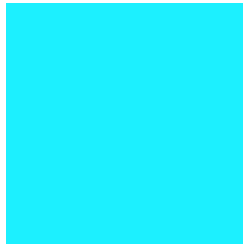


1.4031, 0.3360, 0.1625



# Previews

## White Background



This preview shows how the Yxy color 69.7871, 0.2209, 0.3103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

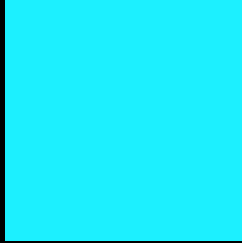
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.7871, 0.2209, 0.3103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

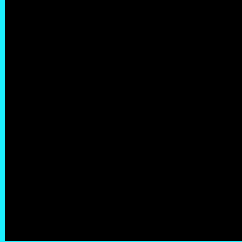
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.7871, 0.2209, 0.3103**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.7871, 0.2209, 0.3103.

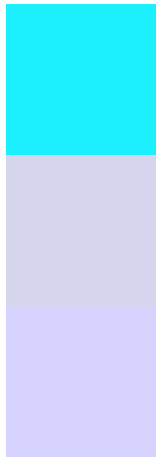


This preview shows how white text looks on a background with the Yxy color 69.7871, 0.2209, 0.3103.

# 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

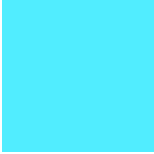
69.7871, 0.2209, 0.3103

### Protanopia

68.4123, 0.2962, 0.3028

### Deuteranopia

68.6031, 0.2863, 0.2833



## **Tritanopia**

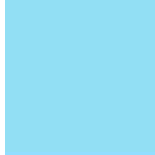
69.5377, 0.2283, 0.3069

# Trichromacy



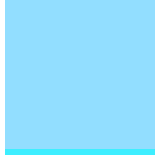
## Original Color

69.7871, 0.2209, 0.3103



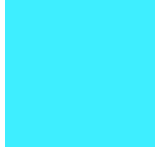
## Protanomaly

65.4180, 0.2534, 0.3038



## Deuteranomaly

65.5735, 0.2480, 0.2903



## Tritanomaly

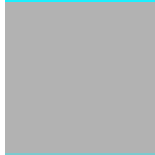
69.3932, 0.2246, 0.3080

# Monochromacy



## Original Color

69.7871, 0.2209, 0.3103



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

50.4405, 0.2566, 0.3220

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.7871, 0.2209, 0.3103 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(28, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 240, 255)  
}
```

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(28, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 240, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.7871, 0.2209, 0.3103 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(28, 240, 255) }
```

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

```
.border{ border-color:rgb(28, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 240,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.7871, 0.2209, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 240, 255) }
```

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

```
.background{ background-color: rgb(28, 240,  
255) }
```

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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