

# Converting Colors

$Yxy(68.8429, 0.2227, 0.3074)$

Have a look what the booklet for  
Yxy(68.8429, 0.2227, 0.3074)  
contains.

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# Color

**Yxy(69.0729, 0.2228, 0.3079)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33EEFF
RGB	51, 238, 255
RGB Percent	20%, 93%, 100%
CMY	0.8003, 0.0666, 0.0001
CMYK	0.80, 0.07, 0.00, 0.00
HSL	185°, 100%, 60%
HSV	185°, 80%, 100%
XYZ	49.9819, 69.0729, 105.2806
YIQ	184.0250, -116.9090, -34.3570

# Conversions

## Conversions Part 2

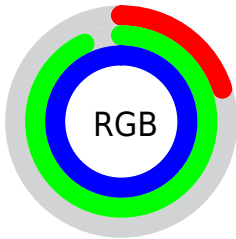
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 149, 255
Decimal	3403519
CIE <sub>Lab</sub>	86.54, -38.40, -20.98
CIE <sub>LCh</sub>	87, 43.760, 208.643
Yxy	69.0729, 0.2228, 0.3079
Android (android.graphics.Color)	4281593599 (0xFF33EEFF)
YUV	184.0250, 34.9907, -116.6629
Hunter-Lab	83.1101, -38.0938, -16.9292

# Details

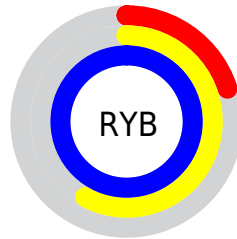
The Yxy color **69.0729, 0.2228, 0.3079** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.6117, 0.5832, 0.3404**, and the grayscale version is **47.7853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **37.1250, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **67.3590, 0.2193, 0.3050**, and if you desaturate by 10%, it is **71.1686, 0.2282, 0.3108**.

# Distribution



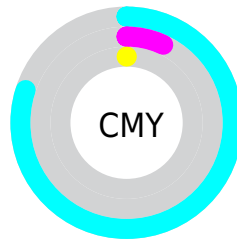
- Red (20%)
- Green (93%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0729, 0.2228, 0.3079 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 69.0729, 0.2228, 0.3079 by changing the saturation by 10% instead.



 69.0729, 0.2228,  
0.3079


 69.0729, 0.2228,  
0.3079


457.2880, 0.2632,  
0.3192

 50.7711, 0.2140,  
0.3050


 117.8857, 0.2365,  
0.3121

 36.0265, 0.2033,  
0.3013

 149.1655, 0.2419,  
0.3136

 24.4546, 0.1901,  
0.2963


 185.5400, 0.2466,  
0.3149

 15.6712, 0.1735,  
0.2894

 227.3937, 0.2508,  
0.3160

 9.2918, 0.1521,  
0.2795

275.1110, 0.2544,  
0.3170

 4.9320, 0.1241,  
0.2642

329.0762, 0.2577,

 2.2074, 0.0869,

0.3178

0.2388

389.6737, 0.2606,  
0.3185

0.7240, 0.0000,  
0.1989

0.0000, 0.0000,  
0.0000

69.0729, 0.2228,  
0.3079

69.0729, 0.2228,  
0.3079

67.3590, 0.2193,  
0.3050

71.1686, 0.2282,  
0.3108

65.9386, 0.2173,  
0.3023

73.6905, 0.2356,  
0.3137

76.6849, 0.2449,  
0.3165

80.1897, 0.2559,  
0.3193

■ 84.2391, 0.2685,  
0.3220

■ 88.8643, 0.2824,  
0.3245

■ 94.0939, 0.2972,  
0.3268

99.9547, 0.3127,  
0.3290

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.



69.0729, 0.2514, 0.3617



69.0729, 0.2228, 0.3079



69.0729, 0.2165, 0.2669

# Triad

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



69.0729, 0.2228, 0.3079



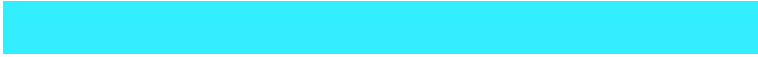
69.0729, 0.3209, 0.2646



69.0729, 0.3953, 0.4130

# Complementary

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



69.0729, 0.2228, 0.3079



25.6117, 0.5832, 0.3404

# 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.



69.0729, 0.4187, 0.3789



69.0729, 0.2228, 0.3079



69.0729, 0.3744, 0.2968

# Square

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



69.0729, 0.2228, 0.3079



69.0729, 0.2693, 0.2465



69.0729, 0.4115, 0.3372



69.0729, 0.3505, 0.4267

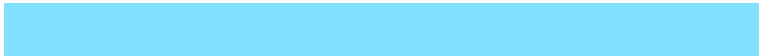


# Rectangle

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



69.0729, 0.2228, 0.3079



69.0729, 0.2248, 0.2509



69.0729, 0.4115, 0.3372



69.0729, 0.4061, 0.4032

# Sweetspot

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



69.0754, 0.2228, 0.3079



86.9803, 0.2767, 0.3235



72.5795, 0.2983, 0.5690



18.2680, 0.2718, 0.3226



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

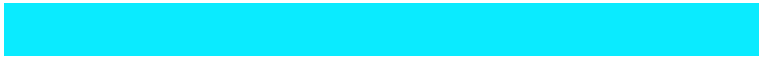


# Same Dimension

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



69.0754, 0.2228, 0.3079



66.5043, 0.2180, 0.3034



26.4829, 0.1871, 0.1727



20.2079, 0.2980, 0.3270



34.5707, 0.2174, 0.3027



3.4392, 0.2183, 0.3059



# Inverse Universe

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



29.7883, 0.3378, 0.1740



27.4596, 0.3424, 0.1670



48.9642, 0.4867, 0.4289



18.2728, 0.3151, 0.3075



14.2179, 0.3430, 0.1663

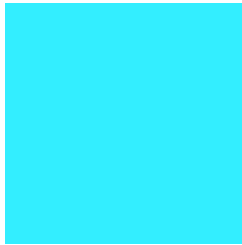


1.3917, 0.3402, 0.1648



# Previews

## White Background



This preview shows how the Yxy color 69.0729, 0.2228, 0.3079 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

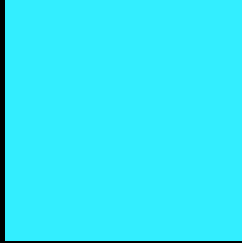
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0729, 0.2228, 0.3079 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

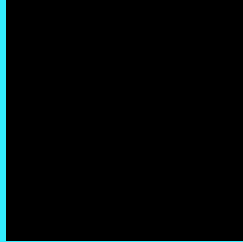
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

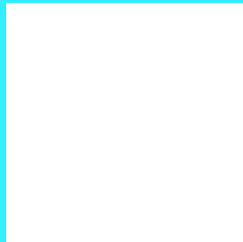
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.0729, 0.2228, 0.3079**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0729, 0.2228, 0.3079.

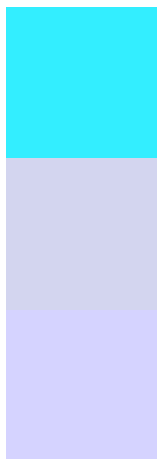


This preview shows how white text looks on a background with the Yxy color 69.0729, 0.2228, 0.3079.

# 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

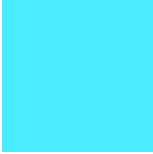
69.0729, 0.2228, 0.3079

### Protanopia

67.6694, 0.2942, 0.3006

### Deuteranopia

67.9547, 0.2856, 0.2822



## **Tritanopia**

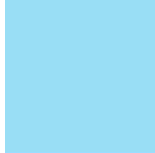
69.2442, 0.2267, 0.3068

# Trichromacy



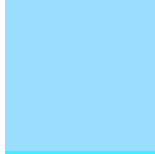
## Original Color

69.0729, 0.2228, 0.3079



## Protanomaly

65.6074, 0.2563, 0.3017



## Deuteranomaly

65.8029, 0.2518, 0.2895



## Tritanomaly

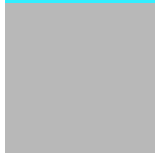
68.9466, 0.2250, 0.3067

# Monochromacy



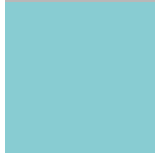
## Original Color

69.0729, 0.2228, 0.3079



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

53.0731, 0.2623, 0.3209

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0729, 0.2228, 0.3079 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(51, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 238, 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(51, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 238, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0729, 0.2228, 0.3079 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(51, 238, 255) }
```

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

```
.border{ border-color:rgb(51, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 238,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0729, 0.2228, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 238, 255) }
```

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

```
.background{ background-color: rgb(51, 238,  
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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