

# Converting Colors

$Y_{xy}(72.5604, 0.2236, 0.3157)$

Have a look what the booklet for  
Yxy(72.5604, 0.2236, 0.3157)  
contains.

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# Color

**Yxy(72.3928, 0.2235, 0.3153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29F4FF
RGB	41, 244, 255
RGB Percent	16%, 96%, 100%
CMY	0.8394, 0.0431, 0.0000
CMYK	0.84, 0.04, 0.00, 0.00
HSL	183°, 100%, 58%
HSV	183°, 84%, 100%
XYZ	51.3155, 72.3928, 105.8914
YIQ	184.5570, -124.5190, -39.6150

# Conversions

## Conversions Part 2

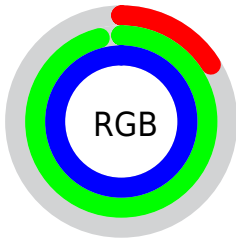
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	41, 145, 255
Decimal	2749695
CIE Lab	88.16, -41.82, -18.57
CIE LCh	88, 45.755, 203.944
Yxy	72.3928, 0.2235, 0.3153
Android (android.graphics.Color)	4280939775 (0xFF29F4FF)
YUV	184.5570, 34.7284, -125.8995
Hunter-Lab	85.0840, -41.2406, -14.2307

# Details

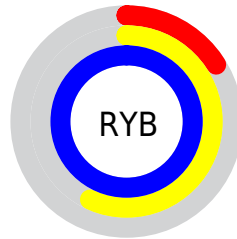
The Yxy color **72.3928, 0.2235, 0.3153** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.8719, 0.6022, 0.3354**, and the grayscale version is **48.1065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **39.6179, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **71.2435, 0.2210, 0.3136**, and if you desaturate by 10%, it is **73.8891, 0.2278, 0.3171**.

# Distribution



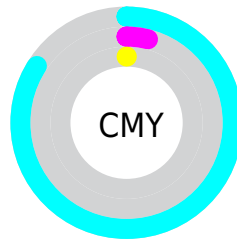
- Red (16%)
- Green (96%)
- Blue (100%)



- Red (16%)
- Yellow (57%)
- Blue (100%)



- Cyan (84%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (84%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3928, 0.2235, 0.3153 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 72.3928, 0.2235, 0.3153 by changing the saturation by 10% instead.




 72.3928, 0.2235,  
0.3153


 72.3928, 0.2235,  
0.3153

468.9076, 0.2633,  
0.3231


 53.4796, 0.2148,  
0.3132


 122.6148, 0.2370,  
0.3183


 38.1858, 0.2044,  
0.3105


 154.6924, 0.2423,  
0.3193

 26.1269, 0.1915,  
0.3068


 191.9270, 0.2470,  
0.3202

 16.9186, 0.1753,  
0.3016

 234.7029, 0.2510,  
0.3210

 10.1765, 0.1545,  
0.2940

283.4045, 0.2546,  
0.3216

 5.5161, 0.1273,  
0.2819

338.4162, 0.2578,

 2.5532, 0.0912,

0.3222

0.2613

400.1225, 0.2607,  
0.3227

0.9032, 0.0000,  
0.2330

0.0000, 0.0000,  
0.0000

72.3928, 0.2235,  
0.3153

72.3928, 0.2235,  
0.3153

71.2435, 0.2210,  
0.3136

73.8891, 0.2278,  
0.3171

70.6644, 0.2202,  
0.3126

75.7849, 0.2339,  
0.3188

78.1280, 0.2421,  
0.3206

80.9583, 0.2521,  
0.3223

84.3114, 0.2638,  
0.3240

88.2195, 0.2770,  
0.3256

92.7120, 0.2914,  
0.3271

97.8165, 0.3066,  
0.3285

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



72.3928, 0.2561, 0.3713



72.3928, 0.2235, 0.3153



72.3928, 0.2134, 0.2703

# Triad

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



72.3928, 0.2235, 0.3153



72.3928, 0.3122, 0.2590



72.3928, 0.4031, 0.4107

# Complementary

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



72.3928, 0.2235, 0.3153



23.8719, 0.6022, 0.3354

# 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.



72.3928, 0.4228, 0.3735



72.3928, 0.2235, 0.3153



72.3928, 0.3682, 0.2900

# Square

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



72.3928, 0.2235, 0.3153



72.3928, 0.2609, 0.2431



72.3928, 0.4103, 0.3304



72.3928, 0.3595, 0.4294



# Rectangle

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



72.3928, 0.2235, 0.3153



72.3928, 0.2196, 0.2517



72.3928, 0.4103, 0.3304



72.3928, 0.4129, 0.3997

# Sweetspot

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



72.3942, 0.2235, 0.3153



87.7769, 0.2755, 0.3254



72.2355, 0.2990, 0.5792



18.4847, 0.2708, 0.3249



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

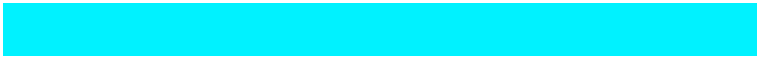


# Same Dimension

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



72.3942, 0.2235, 0.3153



70.6644, 0.2202, 0.3126



25.6610, 0.1842, 0.1692



20.3120, 0.2980, 0.3277



36.9933, 0.2203, 0.3129



3.6490, 0.2208, 0.3148



# Inverse Universe

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



29.3750, 0.3317, 0.1670



27.6648, 0.3345, 0.1616



46.1068, 0.4987, 0.4260



18.2833, 0.3146, 0.3068



14.4625, 0.3342, 0.1615

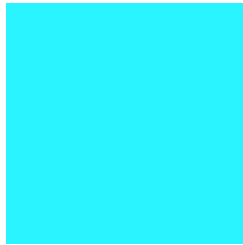


1.4129, 0.3326, 0.1606



# Previews

## White Background



This preview shows how the Yxy color 72.3928, 0.2235, 0.3153 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

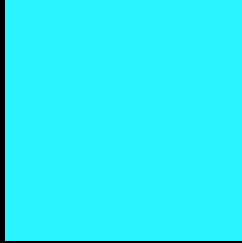
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3928, 0.2235, 0.3153 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

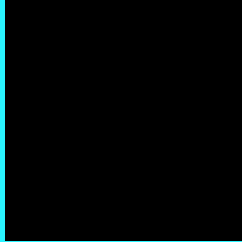
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.3928, 0.2235, 0.3153**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3928, 0.2235, 0.3153.

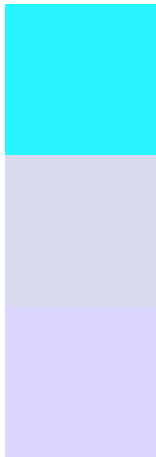


This preview shows how white text looks on a background with the Yxy color 72.3928, 0.2235, 0.3153.

# 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

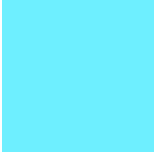
72.3928, 0.2235, 0.3153

### Protanopia

71.0676, 0.2990, 0.3075

### Deuteranopia

71.0365, 0.2904, 0.2871



## **Tritanopia**

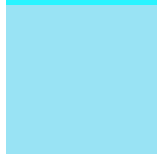
72.2680, 0.2373, 0.3098

# Trichromacy



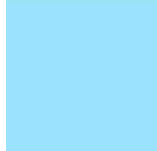
## Original Color

72.3928, 0.2235, 0.3153



## Protanomaly

68.2421, 0.2577, 0.3089



## Deuteranomaly

68.5813, 0.2532, 0.2955



## Tritanomaly

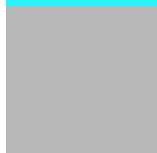
72.0619, 0.2305, 0.3119

# Monochromacy



## Original Color

72.3928, 0.2235, 0.3153



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

53.7823, 0.2610, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3928, 0.2235, 0.3153 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(41, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(41, 244, 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(41, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 244, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3928, 0.2235, 0.3153 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(41, 244, 255) }
```

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

```
.border{ border-color:rgb(41, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(41, 244,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3928, 0.2235, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 244, 255) }
```

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

```
.background{ background-color: rgb(41, 244,  
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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