

# Converting Colors

$Y_{xy}(72.0683, 0.2972, 0.5795)$

Have a look what the booklet for  
Yxy(72.0683, 0.2972, 0.5795)  
contains.

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# Color

**Yxy(72.0683, 0.2972, 0.5795)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1FFF35
RGB	31, 255, 53
RGB Percent	12%, 100%, 21%
CMY	0.8797, 0.0000, 0.7920
CMYK	0.88, 0.00, 0.79, 0.00
HSL	126°, 100%, 56%
HSV	126°, 88%, 100%
XYZ	36.9607, 72.0683, 15.3339
YIQ	164.9960, -68.6620, -110.3100

# Conversions

## Conversions Part 2

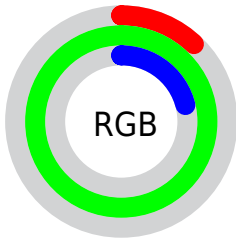
Format	Color
R <sub>Y</sub> B	31, 235, 255
Decimal	2096949
CIE Lab	88.00, -83.33, 75.26
CIE LCh	88, 112.283, 137.913
Yxy	72.0683, 0.2972, 0.5795
Android (android.graphics.Color)	4280287029 (0xFF1FFF35)
YUV	164.9960, -55.2140, -117.5145
Hunter-Lab	84.8931, -70.8477, 48.7158

# Details

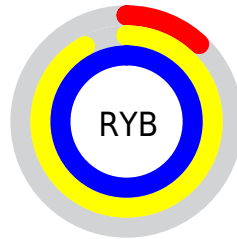
The Yxy color **72.0683, 0.2972, 0.5795** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **28.0845, 0.3443, 0.1715**, and the grayscale version is **37.8704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1178, 0.3091, 0.5039**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6475, 0.2983, 0.5928**, and if you desaturate by 10%, it is **72.8872, 0.2967, 0.5587**.

# Distribution



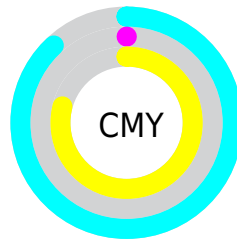
- Red (12%)
- Green (100%)
- Blue (21%)



- Red (12%)
- Yellow (92%)
- Blue (100%)



- Cyan (88%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)



- Cyan (88%)
- Magenta (0%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0683, 0.2972, 0.5795 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 72.0683, 0.2972, 0.5795 by changing the saturation by 10% instead.




 72.0683, 0.2972,  
0.5795


 72.0683, 0.2972,  
0.5795


467.7793, 0.3152,  
0.4544

 53.2145, 0.2898,  
0.6084


 122.1536, 0.3060,  
0.5354

 37.9740, 0.2790,  
0.6433


 154.1539, 0.3087,  
0.5183


 25.9625, 0.2628,  
0.6857


 191.3052, 0.3107,  
0.5037

 16.7956, 0.2386,  
0.7383

 233.9917, 0.3121,  
0.4911

 10.0889, 0.2010,  
0.7990

 282.5980, 0.3133,  
0.4801

 5.4579, 0.1435,  
0.8565

337.5085, 0.3141,

 2.5184, 0.0000,

0.4705

1.0000

399.1074, 0.3147,  
0.4620

■ 0.8858, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 72.0683, 0.2972,  
0.5795

■ 72.0683, 0.2972,  
0.5795

■ 71.6475, 0.2983,  
0.5928

■ 72.8872, 0.2967,  
0.5587


■ 71.5921, 0.2985,  
0.5946


■ 74.1987, 0.2970,  
0.5316


■ 76.0588, 0.2982,  
0.5001

■ 78.5194, 0.3001,  
0.4667

 81.6262, 0.3024,  
0.4335

 85.4207, 0.3051,  
0.4020

 89.9408, 0.3079,  
0.3731

 95.2215, 0.3106,  
0.3473

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.



72.0683, 0.4108, 0.5497



72.0683, 0.2972, 0.5795



72.0683, 0.1927, 0.4709

# Triad

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



72.0683, 0.2972, 0.5795



72.0683, 0.1269, 0.1569



72.0683, 0.5343, 0.2960

# Complementary

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



72.0683, 0.2972, 0.5795



28.0845, 0.3443, 0.1715

# 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.



72.0683, 0.4159, 0.2268



72.0683, 0.2972, 0.5795



72.0683, 0.1796, 0.1512

# Square

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



72.0683, 0.2972, 0.5795



72.0683, 0.1102, 0.2012



72.0683, 0.2781, 0.1754



72.0683, 0.5647, 0.3730



# Rectangle

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



72.0683, 0.2972, 0.5795



72.0683, 0.1443, 0.3572



72.0683, 0.2781, 0.1754



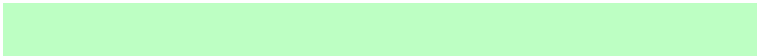
72.0683, 0.5023, 0.2718

# Sweetspot

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



72.0635, 0.2972, 0.5795



86.2547, 0.3056, 0.3961



89.5023, 0.4039, 0.5114



18.1530, 0.3047, 0.4066



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.



72.0635, 0.2972, 0.5795



71.5921, 0.2985, 0.5946



74.3979, 0.2621, 0.4557



20.1976, 0.3102, 0.3511



37.4180, 0.2981, 0.5933



3.6526, 0.2945, 0.5801



# Inverse Universe

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



28.0845, 0.3443, 0.1715



26.9490, 0.3483, 0.1692



23.6812, 0.5022, 0.2621



18.2673, 0.3153, 0.3079



14.0942, 0.3478, 0.1690

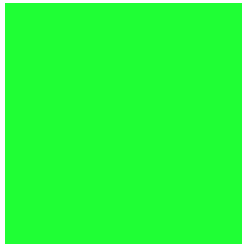


1.3810, 0.3443, 0.1671



# Previews

## White Background



This preview shows how the Yxy color 72.0683, 0.2972, 0.5795 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

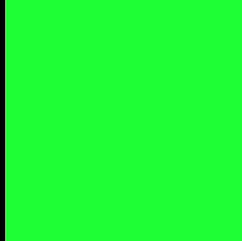
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.0683, 0.2972, 0.5795 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 72.0683, 0.2972, 0.5795**

## Background



This preview shows how black text looks on a background with the Yxy color 72.0683, 0.2972, 0.5795.

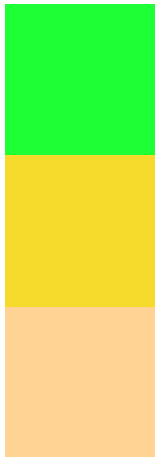


This preview shows how white text looks on a background with the Yxy color 72.0683, 0.2972, 0.5795.

# 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

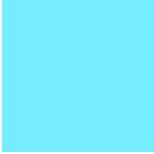
72.0683, 0.2972, 0.5795

### Protanopia

70.4377, 0.4344, 0.4797

### Deuteranopia

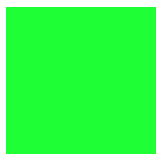
69.9551, 0.3939, 0.3948



## **Tritanopia**

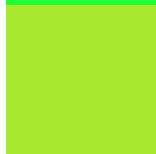
71.5703, 0.2392, 0.3075

# Trichromacy



## Original Color

72.0683, 0.2972, 0.5795



## Protanomaly

66.2433, 0.3646, 0.5306



## Deuteranomaly

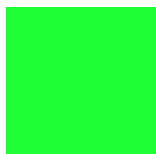
65.0147, 0.3446, 0.4699



## Tritanomaly

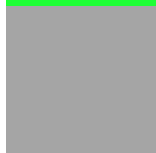
70.0572, 0.2624, 0.4118

# Monochromacy



## Original Color

72.0683, 0.2972, 0.5795



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

45.5564, 0.3018, 0.4431

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0683, 0.2972, 0.5795 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(31, 255, 53)` looks like.

```
.text, #text, p{  
    color:rgb(31, 255, 53)  
}
```

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(31, 255, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 255, 53) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0683, 0.2972, 0.5795 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(31, 255, 53) }
```

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

```
.border{ border-color:rgb(31, 255, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 255, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 255, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 255, 53);  
box-shadow:4px 4px 4px 4px rgb(31, 255,  
53) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.0683, 0.2972, 0.5795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 255, 53) }
```

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

```
.background{ background-color: rgb(31, 255,  
53) }
```

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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