

Converting Colors

$Y_{xy}(72.0801, 0.3022, 0.5903)$

Have a look what the booklet for
Yxy(72.0801, 0.3022, 0.5903)
contains.

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Color

Yxy(72.0801, 0.3022, 0.5903)

Conversions

Conversions Part 1

Format	Color
Hex	29FF1D
RGB	41, 255, 29
RGB Percent	16%, 100%, 11%
CMY	0.8385, 0.0000, 0.8864
CMYK	0.84, 0.00, 0.89, 0.00
HSL	117°, 100%, 56%
HSV	117°, 89%, 100%
XYZ	36.9009, 72.0801, 13.1266
YIQ	165.2500, -54.9980, -115.6540

Conversions

Conversions Part 2

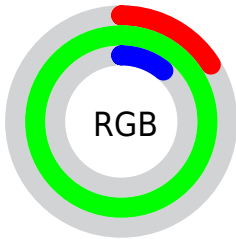
Format	Color
R_{YB}	29, 255, 243
Decimal	2752285
CIE Lab	88.01, -83.55, 80.52
CIE LCh	88, 116.036, 136.057
Yxy	72.0801, 0.3022, 0.5903
Android (android.graphics.Color)	4280942365 (0xFF29FF1D)
YUV	165.2500, -67.1713, -108.9673
Hunter-Lab	84.9000, -70.9918, 50.2631

Details

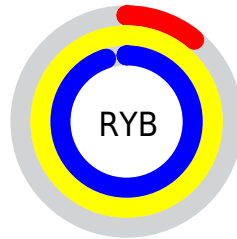
The Yxy color **72.0801, 0.3022, 0.5903** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **27.1122, 0.3087, 0.1511**, and the grayscale version is **38.1267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1267, 0.3165, 0.5176**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6468, 0.3009, 0.5986**, and if you desaturate by 10%, it is **72.9242, 0.3039, 0.5735**.

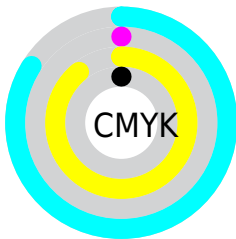
Distribution



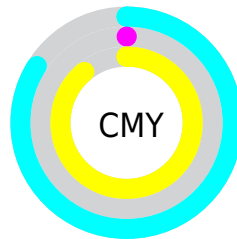
- Red (16%)
- Green (100%)
- Blue (11%)



- Red (11%)
- Yellow (100%)
- Blue (95%)



- Cyan (84%)
- Magenta (0%)
- Yellow (89%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0801, 0.3022, 0.5903 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 72.0801, 0.3022, 0.5903 by changing the saturation by 10% instead.


 72.0801, 0.3022,
0.5903


 72.0801, 0.3022,
0.5903


467.8204, 0.3194,
0.4609

 53.2241, 0.2945,
0.6195


 122.1704, 0.3111,
0.5451


 37.9817, 0.2832,
0.6544


 154.1735, 0.3137,
0.5275

 25.9685, 0.2660,
0.6960


 191.3278, 0.3156,
0.5123

 16.8001, 0.2419,
0.7511

 234.0176, 0.3169,
0.4992

 10.0920, 0.2003,
0.7997

 282.6274, 0.3179,
0.4878

 5.4600, 0.1427,
0.8573

 337.5415, 0.3186,

 2.5196, 0.0000,

0.4777

1.0000

399.1444, 0.3191,
0.4688

■ 0.8864, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.0801, 0.3022,
0.5903

■ 72.0801, 0.3022,
0.5903

■ 71.6468, 0.3009,
0.5986

■ 72.9242, 0.3039,
0.5735


■ 71.6112, 0.3008,
0.5994


■ 74.2428, 0.3056,
0.5486


■ 76.0957, 0.3074,
0.5173

■ 78.5317, 0.3089,
0.4824

 81.5943, 0.3102,
0.4467

 85.3226, 0.3112,
0.4121

 89.7527, 0.3119,
0.3800

 94.9181, 0.3124,
0.3512

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



72.0801, 0.4180, 0.5496



72.0801, 0.3022, 0.5903



72.0801, 0.1943, 0.4869

Triad

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



72.0801, 0.3022, 0.5903



72.0801, 0.1209, 0.1543



72.0801, 0.5359, 0.2896

Complementary

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



72.0801, 0.3022, 0.5903



27.1122, 0.3087, 0.1511

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.



72.0801, 0.4098, 0.2201



72.0801, 0.3022, 0.5903



72.0801, 0.1716, 0.1467

Square

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



72.0801, 0.3022, 0.5903



72.0801, 0.1059, 0.2018



72.0801, 0.2690, 0.1695



72.0801, 0.5723, 0.3668

Rectangle

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



72.0801, 0.3022, 0.5903



72.0801, 0.1433, 0.3681



72.0801, 0.2690, 0.1695



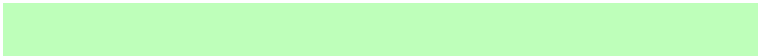
72.0801, 0.5012, 0.2652

Sweetspot

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



72.0831, 0.3022, 0.5903



86.0022, 0.3113, 0.4066



83.6272, 0.4278, 0.4928



18.1106, 0.3110, 0.4180



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.



72.0831, 0.3022, 0.5903



71.6117, 0.3008, 0.5994



73.3101, 0.2756, 0.5039



20.2150, 0.3124, 0.3535



37.4375, 0.3011, 0.5991



3.6609, 0.3037, 0.5970

Inverse Universe

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



27.1122, 0.3087, 0.1511



25.9587, 0.3072, 0.1466



24.5725, 0.4486, 0.2308



18.2474, 0.3129, 0.3055



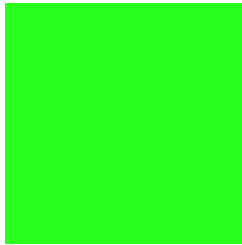
13.5856, 0.3074, 0.1467



1.3375, 0.3090, 0.1476

Previews

White Background



This preview shows how the Yxy color 72.0801, 0.3022, 0.5903 looks on a white background.

Color Contrast Check

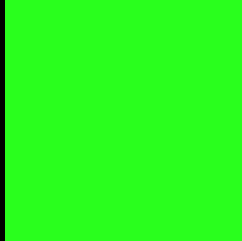
Large Text (above 18pt) WCAG AA × Fail

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 72.0801, 0.3022, 0.5903 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 72.0801, 0.3022, 0.5903

Background



This preview shows how black text looks on a background with the Yxy color 72.0801, 0.3022, 0.5903.



This preview shows how white text looks on a background with the Yxy color 72.0801, 0.3022, 0.5903.

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

72.0801, 0.3022, 0.5903

Protanopia

70.2876, 0.4393, 0.4869

Deuteranopia

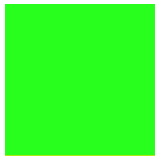
70.4223, 0.3942, 0.3968



Tritanopia

71.1328, 0.2397, 0.3064

Trichromacy



Original Color

72.0801, 0.3022, 0.5903



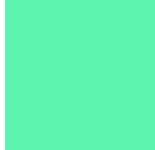
Protanomaly

66.5309, 0.3722, 0.5385



Deuteranomaly

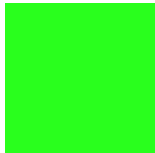
65.8132, 0.3524, 0.4800



Tritanomaly

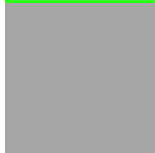
69.3425, 0.2680, 0.4232

Monochromacy



Original Color

72.0801, 0.3022, 0.5903



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

45.6422, 0.3096, 0.4545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0801, 0.3022, 0.5903 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, 255, 29)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 29)  
}
```

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, 255, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 29) }
```

Border

The CSS property to change the border of an element to Yxy 72.0801, 0.3022, 0.5903 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, 255, 29) }
```

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

```
.border{ border-color:rgb(41, 255, 29) }
```

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

Here you see how a box with a 4 pixel rgb(41, 255, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 29);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0801, 0.3022, 0.5903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 255, 29) }
```

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

```
.background{ background-color: rgb(41, 255,  
29) }
```

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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