

Converting Colors

$Yxy(72.4943, 0.2924, 0.5583)$

Have a look what the booklet for
Yxy(72.4943, 0.2924, 0.5583)
contains.

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Color

Yxy(72.4966, 0.2924, 0.5583)

Conversions

Conversions Part 1

Format	Color
Hex	26FF4F
RGB	38, 255, 79
RGB Percent	15%, 100%, 31%
CMY	0.8512, 0.0000, 0.6902
CMYK	0.85, 0.00, 0.69, 0.00
HSL	131°, 100%, 57%
HSV	131°, 85%, 100%
XYZ	37.9688, 72.4966, 19.3870
YIQ	170.0530, -72.8360, -100.7400

Conversions

Conversions Part 2

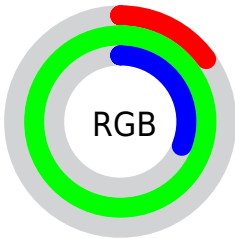
Format	Color
RYB	38, 221, 255
Decimal	2555727
CIELab	88.21, -80.93, 67.15
CIELCh	88, 105.159, 140.315
Yxy	72.4966, 0.2924, 0.5583
Android (android.graphics.Color)	4280745807 (0xFF26FF4F)
YUV	170.0530, -44.8891, -115.8105
Hunter-Lab	85.1449, -69.4048, 46.1015

Details

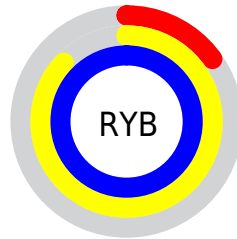
The Yxy color **72.4966, 0.2924, 0.5583** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **27.4958, 0.3663, 0.1863**, and the grayscale version is **40.4731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7332, 0.3008, 0.4790**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.9102, 0.2945, 0.5772**, and if you desaturate by 10%, it is **73.5054, 0.2914, 0.5339**.

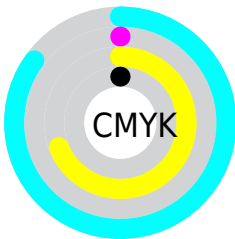
Distribution



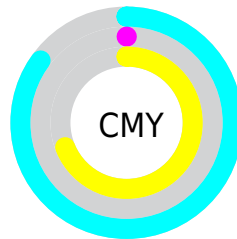
- Red (15%)
- Green (100%)
- Blue (31%)



- Red (15%)
- Yellow (87%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)




- Cyan (85%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4966, 0.2924, 0.5583 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 72.4966, 0.2924, 0.5583 by changing the saturation by 10% instead.


 72.4966, 0.2924,
0.5583


 72.4966, 0.2924,
0.5583


469.2682, 0.3104,
0.4431

 53.5644, 0.2857,
0.5856


 122.7623, 0.3007,
0.5172


 38.2536, 0.2761,
0.6192


 154.8646, 0.3033,
0.5015

 26.1795, 0.2619,
0.6610

 192.1258, 0.3053,
0.4881

 16.9580, 0.2400,
0.7127

 234.9302, 0.3068,
0.4765

 10.2046, 0.2098,
0.7902

283.6623, 0.3080,
0.4665

 5.5348, 0.1532,
0.8468


338.7064, 0.3090,

 2.5643, 0.0000,

0.4577


1.0000


400.4469, 0.3098,
0.4500


 0.9088, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.4966, 0.2924,
0.5583


 72.4966, 0.2924,
0.5583


 71.9102, 0.2945,
0.5772


 73.5054, 0.2914,
0.5339

 71.7352, 0.2956,
0.5842


 75.0059, 0.2917,
0.5055


 77.0515, 0.2933,
0.4751

 79.6892, 0.2958,
0.4442

 82.9609, 0.2991,
0.4145

 86.9046, 0.3028,
0.3868

 91.5552, 0.3067,
0.3617

 96.9453, 0.3107,
0.3394

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.



72.4966, 0.4012, 0.5444



72.4966, 0.2924, 0.5583



72.4966, 0.1940, 0.4483

Triad

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



72.4966, 0.2924, 0.5583



72.4966, 0.1378, 0.1636



72.4966, 0.5264, 0.3054

Complementary

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



72.4966, 0.2924, 0.5583



27.4958, 0.3663, 0.1863

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.



72.4966, 0.4204, 0.2372



72.4966, 0.2924, 0.5583



72.4966, 0.1923, 0.1601

Square

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



72.4966, 0.2924, 0.5583



72.4966, 0.1192, 0.2038



72.4966, 0.2901, 0.1857



72.4966, 0.5501, 0.3810

Rectangle

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



72.4966, 0.2924, 0.5583



72.4966, 0.1493, 0.3446



72.4966, 0.2901, 0.1857



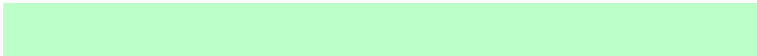
72.4966, 0.4985, 0.2816

Sweetspot

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



72.4955, 0.2924, 0.5583



86.5287, 0.3024, 0.3892



86.1381, 0.3881, 0.5208



18.2161, 0.3011, 0.3986



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.



72.4955, 0.2924, 0.5583



71.7352, 0.2956, 0.5842



75.4877, 0.2529, 0.4200



20.2243, 0.3090, 0.3488



37.4991, 0.2950, 0.5821



3.6653, 0.2898, 0.5631

Inverse Universe

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



27.4958, 0.3663, 0.1863



25.7542, 0.3766, 0.1848



23.6979, 0.5286, 0.2811



18.2380, 0.3167, 0.3099



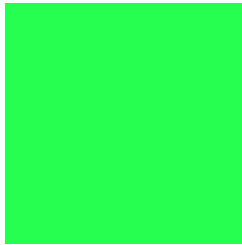
13.4782, 0.3756, 0.1843



1.3268, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 72.4966, 0.2924, 0.5583 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 72.4966, 0.2924, 0.5583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

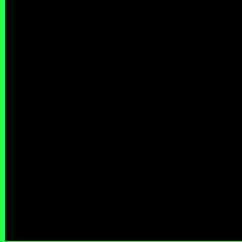
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.4966, 0.2924, 0.5583

Background



This preview shows how black text looks on a background with the Yxy color 72.4966, 0.2924, 0.5583.

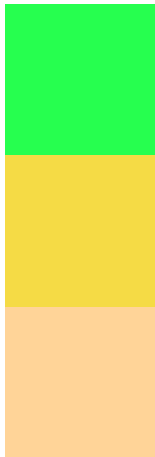


This preview shows how white text looks on a background with the Yxy color 72.4966, 0.2924, 0.5583.

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

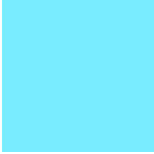
72.4966, 0.2924, 0.5583

Protanopia

70.5052, 0.4259, 0.4687

Deuteranopia

70.6140, 0.3899, 0.3908



Tritanopia

71.8533, 0.2407, 0.3076

Trichromacy



Original Color

72.4966, 0.2924, 0.5583



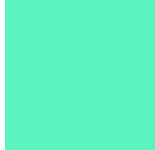
Protanomaly

66.7403, 0.3585, 0.5130



Deuteranomaly

66.1976, 0.3400, 0.4561



Tritanomaly

70.6871, 0.2599, 0.3988

Monochromacy



Original Color

72.4966, 0.2924, 0.5583



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.7170, 0.2978, 0.4251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4966, 0.2924, 0.5583 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(38, 255, 79)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 79)  
}
```

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(38, 255, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 79) }
```

Border

The CSS property to change the border of an element to Yxy 72.4966, 0.2924, 0.5583 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(38, 255, 79) }
```

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

```
.border{ border-color:rgb(38, 255, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 79);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4966, 0.2924, 0.5583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 79) }
```

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

```
.background{ background-color: rgb(38, 255,  
79) }
```

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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