

Converting Colors

$Y_{xy}(72.0045, 0.2905, 0.5657)$

Have a look what the booklet for
Yxy(72.0045, 0.2905, 0.5657)
contains.

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Color

Yxy(72.0010, 0.2905, 0.5660)

Conversions

Conversions Part 1

Format	Color
Hex	00FF49
RGB	0, 255, 73
RGB Percent	0%, 100%, 29%
CMY	1.0000, 0.0000, 0.7137
CMYK	1.00, 0.00, 0.71, 0.00
HSL	137°, 100%, 50%
HSV	137°, 100%, 100%
XYZ	36.9546, 72.0010, 18.2547
YIQ	158.0070, -93.5580, -110.6620

Conversions

Conversions Part 2

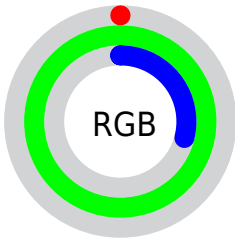
Format	Color
RYB	0, 198, 255
Decimal	65353
CIELab	87.97, -83.21, 68.98
CIELCh	88, 108.081, 140.343
Yxy	72.0010, 0.2905, 0.5660
Android (android.graphics.Color)	4278255433 (0xFF00FF49)
YUV	158.0070, -41.9085, -138.5721
Hunter-Lab	84.8534, -70.7548, 46.6422

Details

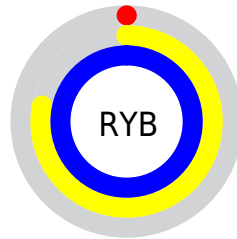
The Yxy color **72.0010, 0.2905, 0.5660** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **24.6368, 0.4116, 0.2041**, and the grayscale version is **34.4217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0102, 0.2992, 0.4868**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.0012, 0.2905, 0.5660**, and if you desaturate by 10%, it is **72.4921, 0.2873, 0.5471**.

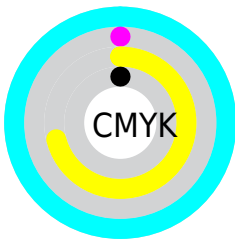
Distribution



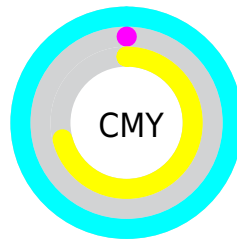
- Red (0%)
- Green (100%)
- Blue (29%)



- Red (0%)
- Yellow (78%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0010, 0.2905, 0.5660 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 72.0010, 0.2905, 0.5660 by changing the saturation by 10% instead.


 72.0010, 0.2905,
0.5660


 72.0010, 0.2905,
0.5660


467.5451, 0.3100,
0.4467


 53.1595, 0.2833,
0.5942


 122.0580, 0.2994,
0.5235

 37.9301, 0.2730,
0.6288


 154.0422, 0.3023,
0.5072

 25.9284, 0.2576,
0.6716


 191.1761, 0.3044,
0.4933

 16.7701, 0.2343,
0.7242

 233.8441, 0.3061,
0.4814

 10.0707, 0.2012,
0.7988

 282.4307, 0.3074,
0.4710

 5.4459, 0.1437,
0.8563


337.3201, 0.3085,

 2.5112, 0.0000,


0.4619


1.0000


398.8967, 0.3093,
0.4539

 0.8822, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.0010, 0.2905,
0.5660


 72.0010, 0.2905,
0.5660

 72.0012, 0.2905,
0.5660

 72.4921, 0.2873,
0.5471

 73.3368, 0.2853,
0.5243

 74.6253, 0.2849,
0.4984

 76.4142, 0.2861,
0.4710

■ 78.7511, 0.2887,
0.4433

■ 81.6782, 0.2924,
0.4164

■ 85.2333, 0.2970,
0.3912

■ 89.4510, 0.3021,
0.3681

■ 94.3632, 0.3074,
0.3474

Harmonies

Analogous

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



72.0010, 0.4015, 0.5494



72.0010, 0.2905, 0.5660



72.0010, 0.1903, 0.4521

Triad

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



72.0010, 0.2905, 0.5660



72.0010, 0.1343, 0.1599



72.0010, 0.5326, 0.3040

Complementary

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



72.0010, 0.2905, 0.5660



24.6368, 0.4116, 0.2041

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.



72.0010, 0.4235, 0.2350



72.0010, 0.2905, 0.5660



72.0010, 0.1895, 0.1566

Square

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



72.0010, 0.2905, 0.5660



72.0010, 0.1153, 0.2003



72.0010, 0.2893, 0.1826



72.0010, 0.5557, 0.3805

Rectangle

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



72.0010, 0.2905, 0.5660



72.0010, 0.1452, 0.3444



72.0010, 0.2893, 0.1826



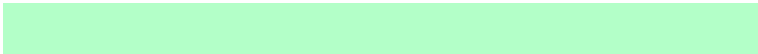
72.0010, 0.5039, 0.2799

Sweetspot

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



72.0012, 0.2905, 0.5660



85.2333, 0.2970, 0.3912



81.5566, 0.3691, 0.5451



17.9057, 0.2950, 0.4016



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.



72.0012, 0.2905, 0.5660



75.6784, 0.2449, 0.4015



20.2537, 0.3076, 0.3464



37.6443, 0.2898, 0.5632



3.6832, 0.2837, 0.5412

Inverse Universe

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



24.6368, 0.4116, 0.2041



21.5382, 0.6072, 0.3118



18.2065, 0.3182, 0.3122



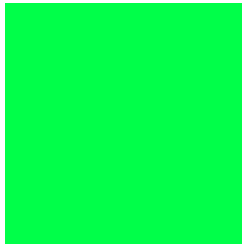
12.9003, 0.4097, 0.2031



1.2749, 0.3972, 0.1962

Previews

White Background



This preview shows how the Yxy color 72.0010, 0.2905, 0.5660 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 72.0010, 0.2905, 0.5660 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

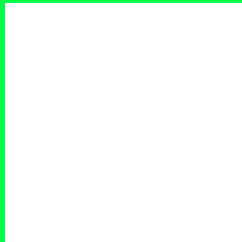
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.0010, 0.2905, 0.5660

Background



This preview shows how black text looks on a background with the Yxy color 72.0010, 0.2905, 0.5660.

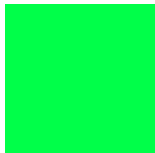


This preview shows how white text looks on a background with the Yxy color 72.0010, 0.2905, 0.5660.

Color Blindness Simulation

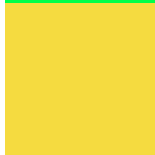
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.0010, 0.2905, 0.5660



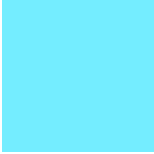
Protanopia

70.4457, 0.4277, 0.4714



Deuteranopia

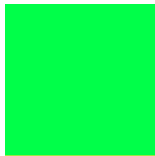
70.0185, 0.3925, 0.3928



Tritanopia

71.5014, 0.2388, 0.3075

Trichromacy



Original Color

72.0010, 0.2905, 0.5660



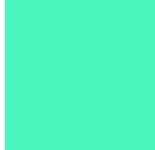
Protanomaly

65.1864, 0.3504, 0.5242



Deuteranomaly

64.0000, 0.3324, 0.4643



Tritanomaly

69.8313, 0.2557, 0.4025

Monochromacy



Original Color

72.0010, 0.2905, 0.5660



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

42.4389, 0.2900, 0.4353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0010, 0.2905, 0.5660 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(0, 255, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 73)  
}
```

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(0, 255, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 73) }
```

Border

The CSS property to change the border of an element to Yxy 72.0010, 0.2905, 0.5660 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(0, 255, 73) }
```

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

```
.border{ border-color:rgb(0, 255, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 73)  
}
```

Background

The CSS property to change the background color of an element to Yxy 72.0010, 0.2905, 0.5660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 73) }
```

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

```
.background{ background-color: rgb(0, 255,  
73) }
```

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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