

Converting Colors

$Y_{xy}(72.0707, 0.2896, 0.5621)$

Have a look what the booklet for
Yxy(72.0707, 0.2896, 0.5621)
contains.

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Color

Yxy(72.0687, 0.2897, 0.5623)

Conversions

Conversions Part 1

Format	Color
Hex	03FF4D
RGB	3, 255, 77
RGB Percent	1%, 100%, 30%
CMY	0.9894, 0.0000, 0.6981
CMYK	0.99, 0.00, 0.70, 0.00
HSL	138°, 100%, 51%
HSV	138°, 99%, 100%
XYZ	37.1302, 72.0687, 18.9688
YIQ	159.3600, -93.0540, -108.7820

Conversions

Conversions Part 2

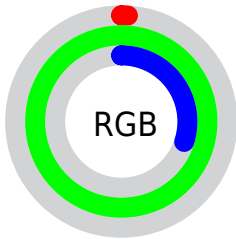
Format	Color
RYB	3, 198, 255
Decimal	261965
CIELab	88.00, -82.77, 67.61
CIELCh	88, 106.877, 140.757
Yxy	72.0687, 0.2897, 0.5623
Android (android.graphics.Color)	4278452045 (0xFF03FF4D)
YUV	159.3600, -40.6035, -137.1277
Hunter-Lab	84.8933, -70.4918, 46.1774

Details

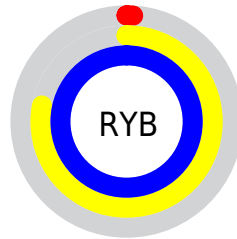
The Yxy color **72.0687, 0.2897, 0.5623** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark saturated green. A complement of this color would be **24.6437, 0.4134, 0.2055**, and the grayscale version is **35.0218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0928, 0.2979, 0.4832**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.0276, 0.2900, 0.5641**, and if you desaturate by 10%, it is **72.5942, 0.2865, 0.5429**.

Distribution



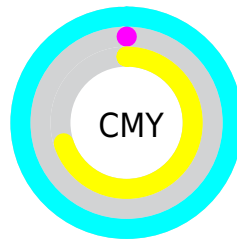
- Red (1%)
- Green (100%)
- Blue (30%)



- Red (1%)
- Yellow (78%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)




- Cyan (99%)
- Magenta (0%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0687, 0.2897, 0.5623 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 72.0687, 0.2897, 0.5623 by changing the saturation by 10% instead.


 72.0687, 0.2897,
0.5623


 72.0687, 0.2897,
0.5623

467.7807, 0.3092,
0.4448

 53.2148, 0.2826,
0.5902

 122.1542, 0.2985,
0.5203


 37.9743, 0.2725,
0.6245


 154.1546, 0.3014,
0.5043

 25.9627, 0.2575,
0.6671


 191.3059, 0.3035,
0.4906

 16.7958, 0.2346,
0.7198

 233.9926, 0.3052,
0.4789

 10.0890, 0.2028,
0.7972

 282.5990, 0.3066,
0.4686

 5.4580, 0.1454,
0.8546


337.5096, 0.3076,

 2.5184, 0.0000,


0.4597


1.0000


399.1087, 0.3085,
0.4518


 0.8858, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.0687, 0.2897,
0.5623


 72.0687, 0.2897,
0.5623


 72.0276, 0.2900,
0.5641


 72.5942, 0.2865,
0.5429


 73.4863, 0.2846,
0.5197


 74.8274, 0.2844,
0.4937


 76.6726, 0.2857,
0.4664

 79.0689, 0.2886,
0.4391

 82.0575, 0.2925,
0.4126

 85.6760, 0.2972,
0.3879

 89.9583, 0.3024,
0.3654

 94.9362, 0.3078,
0.3451

Harmonies

Analogous

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



72.0687, 0.3999, 0.5483



72.0687, 0.2897, 0.5623



72.0687, 0.1906, 0.4484

Triad

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



72.0687, 0.2897, 0.5623



72.0687, 0.1362, 0.1611



72.0687, 0.5312, 0.3056

Complementary

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



72.0687, 0.2897, 0.5623



24.6437, 0.4134, 0.2055

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.



72.0687, 0.4242, 0.2367



72.0687, 0.2897, 0.5623



72.0687, 0.1917, 0.1581

Square

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



72.0687, 0.2897, 0.5623



72.0687, 0.1168, 0.2007



72.0687, 0.2914, 0.1844



72.0687, 0.5532, 0.3819

Rectangle

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



72.0687, 0.2897, 0.5623



72.0687, 0.1461, 0.3424



72.0687, 0.2914, 0.1844



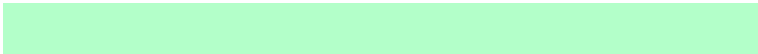
72.0687, 0.5032, 0.2816

Sweetspot

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



72.0717, 0.2897, 0.5623



85.2622, 0.2967, 0.3905



81.6554, 0.3695, 0.5444



17.9124, 0.2946, 0.4007



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.



72.0717, 0.2897, 0.5623



72.0289, 0.2900, 0.5641



75.7220, 0.2447, 0.4006



20.2561, 0.3075, 0.3462



37.6592, 0.2893, 0.5613



3.6849, 0.2831, 0.5391

Inverse Universe

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



24.6437, 0.4134, 0.2055



24.5527, 0.4147, 0.2058



21.6176, 0.6045, 0.3110



18.2039, 0.3183, 0.3124



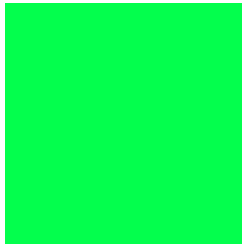
12.8568, 0.4127, 0.2047



1.2710, 0.3997, 0.1976

Previews

White Background



This preview shows how the Yxy color 72.0687, 0.2897, 0.5623 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 72.0687, 0.2897, 0.5623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

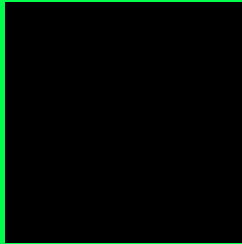
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

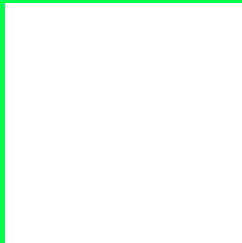
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.0687, 0.2897, 0.5623

Background



This preview shows how black text looks on a background with the Yxy color 72.0687, 0.2897, 0.5623.



This preview shows how white text looks on a background with the Yxy color 72.0687, 0.2897, 0.5623.

Color Blindness Simulation

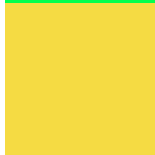
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.0752, 0.2897, 0.5623



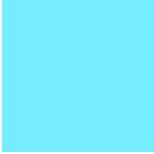
Protanopia

70.4808, 0.4266, 0.4698



Deuteranopia

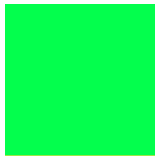
70.0505, 0.3918, 0.3918



Tritanopia

71.5703, 0.2392, 0.3075

Trichromacy



Original Color

72.0752, 0.2897, 0.5623



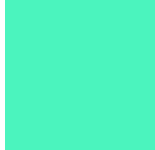
Protanomaly

65.3363, 0.3498, 0.5206



Deuteranomaly

64.1548, 0.3320, 0.4616



Tritanomaly

69.9149, 0.2555, 0.4011

Monochromacy



Original Color

72.0752, 0.2897, 0.5623



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

42.9933, 0.2894, 0.4331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0687, 0.2897, 0.5623 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(3, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(3, 255, 77)  
}
```

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(3, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 255, 77) }
```

Border

The CSS property to change the border of an element to Yxy 72.0687, 0.2897, 0.5623 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(3, 255, 77) }
```

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

```
.border{ border-color:rgb(3, 255, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 255, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(3, 255, 77)  
}
```


Background

The CSS property to change the background color of an element to Yxy 72.0687, 0.2897, 0.5623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 255, 77) }
```

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

```
.background{ background-color: rgb(3, 255,  
77) }
```

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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