

Converting Colors

$Y_{xy}(72.3059, 0.2663, 0.4787)$

Have a look what the booklet for
Yxy(72.3059, 0.2663, 0.4787)
contains.

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Color

Yxy(72.2949, 0.2662, 0.4783)

Conversions

Conversions Part 1

Format	Color
Hex	00FD91
RGB	0, 253, 145
RGB Percent	0%, 99%, 57%
CMY	0.9998, 0.0078, 0.4314
CMYK	1.00, 0.00, 0.43, 0.01
HSL	154°, 100%, 50%
HSV	154°, 100%, 99%
XYZ	40.2360, 72.2949, 38.6187
YIQ	165.0410, -116.1200, -87.2240

Conversions

Conversions Part 2

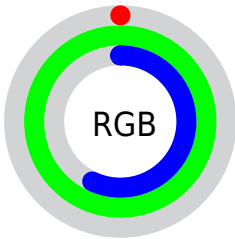
Format	Color
RYB	0, 161, 253
Decimal	64913
CIELab	88.11, -73.32, 37.93
CIELCh	88, 82.551, 152.648
Yxy	72.2949, 0.2662, 0.4783
Android (android.graphics.Color)	4278254993 (0xFF00FD91)
YUV	165.0410, -9.8802, -144.7410
Hunter-Lab	85.0264, -64.3268, 32.5891

Details

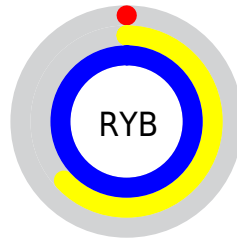
The Yxy color **72.2949, 0.2662, 0.4783** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **21.9690, 0.5312, 0.2700**, and the grayscale version is **37.7478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3350, 0.2666, 0.3972**, and **39.8205, 0.2747, 0.5091** is the 20% darker color. If you saturate the color by 10%, you get **72.2966, 0.2662, 0.4783**, and if you desaturate by 10%, it is **72.8580, 0.2634, 0.4622**.

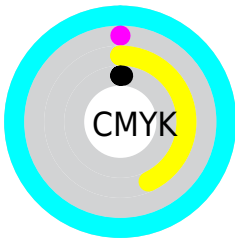
Distribution



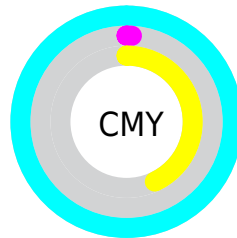
- Red (0%)
- Green (99%)
- Blue (57%)



- Red (0%)
- Yellow (63%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2949, 0.2662, 0.4783 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 72.2949, 0.2662, 0.4783 by changing the saturation by 10% instead.


 72.2949, 0.2662,
0.4783


 72.2949, 0.2662,
0.4783

468.5674, 0.2910,
0.4031

 53.3996, 0.2597,
0.4969


 122.4757, 0.2755,
0.4510


 38.1219, 0.2512,
0.5206


 154.5300, 0.2789,
0.4408


 26.0773, 0.2397,
0.5515


 191.7395, 0.2817,
0.4321

 16.8815, 0.2236,
0.5933

 234.4884, 0.2841,
0.4246

 10.1500, 0.1997,
0.6519

 283.1613, 0.2862,
0.4181

 5.4985, 0.1627,
0.7383


338.1425, 0.2880,

 2.5426, 0.0435,


0.4125


0.9565


399.8164, 0.2896,
0.4075


 0.8979, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.2949, 0.2662,
0.4783


 72.2949, 0.2662,
0.4783


 72.2966, 0.2662,
0.4783


 72.8580, 0.2634,
0.4622


 73.7237, 0.2624,
0.4456


 74.9788, 0.2635,
0.4287


 76.6751, 0.2665,
0.4118

 78.8560, 0.2715,
0.3955

 81.5597, 0.2779,
0.3799

 84.8201, 0.2856,
0.3654

 88.6684, 0.2942,
0.3520

 93.1335, 0.3033,
0.3399

Harmonies

Analogous

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



72.2949, 0.3571, 0.5141



72.2949, 0.2662, 0.4783



72.2949, 0.1931, 0.3736

Triad

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



72.2949, 0.2662, 0.4783



72.2949, 0.1819, 0.1866



72.2949, 0.5002, 0.3417

Complementary

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



72.2949, 0.2662, 0.4783



21.9690, 0.5312, 0.2700

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.



72.2949, 0.4383, 0.2780



72.2949, 0.2662, 0.4783



72.2949, 0.2442, 0.1935

Square

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



72.2949, 0.2662, 0.4783



72.2949, 0.1528, 0.2096



72.2949, 0.3377, 0.2256



72.2949, 0.4973, 0.4102

Rectangle

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



72.2949, 0.2662, 0.4783



72.2949, 0.1638, 0.3012



72.2949, 0.3377, 0.2256



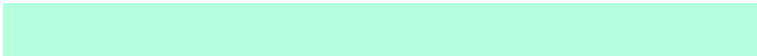
72.2949, 0.4864, 0.3197

Sweetspot

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



72.2978, 0.2662, 0.4783



86.3361, 0.2856, 0.3654



73.5473, 0.3267, 0.5788



18.1648, 0.2822, 0.3714



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.



72.2978, 0.2662, 0.4783



73.5988, 0.2662, 0.4784



67.1649, 0.2188, 0.3077



20.3427, 0.3037, 0.3393



38.4875, 0.2655, 0.4758



3.7693, 0.2604, 0.4574

Inverse Universe

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



21.9690, 0.5312, 0.2700



22.3617, 0.5314, 0.2701



21.2822, 0.6365, 0.3328



18.1158, 0.3227, 0.3189



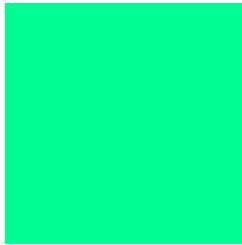
11.7129, 0.5273, 0.2678



1.1618, 0.4982, 0.2518

Previews

White Background



This preview shows how the Yxy color 72.2949, 0.2662, 0.4783 looks on a white background.

Color Contrast Check

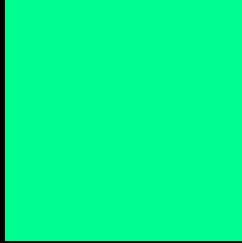
Large Text (above 18pt) WCAG AA × Fail

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 72.2949, 0.2662, 0.4783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

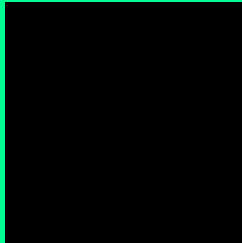
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.2949, 0.2662, 0.4783

Background



This preview shows how black text looks on a background with the Yxy color 72.2949, 0.2662, 0.4783.



This preview shows how white text looks on a background with the Yxy color 72.2949, 0.2662, 0.4783.

Color Blindness Simulation

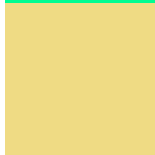
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.2949, 0.2662, 0.4783



Protanopia

70.6797, 0.3879, 0.4212



Deuteranopia

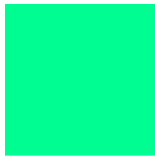
70.6017, 0.3800, 0.3756



Tritanopia

71.5014, 0.2388, 0.3075

Trichromacy



Original Color

72.2949, 0.2662, 0.4783



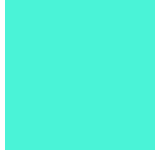
Protanomaly

65.6334, 0.3162, 0.4508



Deuteranomaly

64.5427, 0.3113, 0.4162



Tritanomaly

70.4633, 0.2442, 0.3651

Monochromacy



Original Color

72.2949, 0.2662, 0.4783



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

45.4044, 0.2737, 0.3888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2949, 0.2662, 0.4783 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, 253, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 253, 145)  
}
```

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, 253, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 253, 145) }
```

Border

The CSS property to change the border of an element to Yxy 72.2949, 0.2662, 0.4783 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, 253, 145) }
```

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

```
.border{ border-color:rgb(0, 253, 145) }
```

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

Here you see how a box with a 4 pixel rgb(0, 253, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 253, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 253, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 253,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2949, 0.2662, 0.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 253, 145) }
```

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

```
.background{ background-color: rgb(0, 253,  
145) }
```

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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