

Converting Colors

$Y_{xy}(73.8518, 0.2631, 0.4672)$

Have a look what the booklet for
Yxy(73.8518, 0.2631, 0.4672)
contains.

Yxy(73.8531, 0.2631, 0.4672)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(73.8531, 0.2631, 0.4672)

Conversions

Conversions Part 1

Format	Color
Hex	00FF9A
RGB	0, 255, 154
RGB Percent	0%, 100%, 60%
CMY	1.0000, 0.0000, 0.3961
CMYK	1.00, 0.00, 0.40, 0.00
HSL	156°, 100%, 50%
HSV	156°, 100%, 100%
XYZ	41.5898, 73.8531, 42.6331
YIQ	167.2410, -119.5590, -85.4710

Conversions

Conversions Part 2

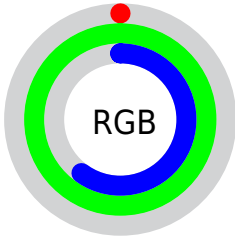
Format	Color
RYB	0, 159, 255
Decimal	65434
CIELab	88.85, -72.36, 34.46
CIELCh	89, 80.147, 154.531
Yxy	73.8531, 0.2631, 0.4672
Android (android.graphics.Color)	4278255514 (0xFF00FF9A)
YUV	167.2410, -6.5278, -146.6704
Hunter-Lab	85.9378, -64.0057, 30.7432

Details

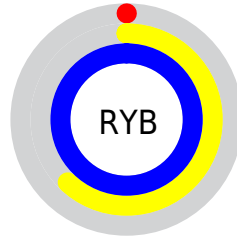
The Yxy color **73.8531, 0.2631, 0.4672** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.1996, 0.5443, 0.2772**, and the grayscale version is **38.8430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7683, 0.2626, 0.3854**, and **40.8918, 0.2710, 0.4954** is the 20% darker color. If you saturate the color by 10%, you get **73.8530, 0.2631, 0.4672**, and if you desaturate by 10%, it is **74.4170, 0.2606, 0.4522**.

Distribution



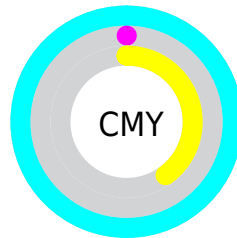
- Red (0%)
- Green (100%)
- Blue (60%)



- Red (0%)
- Yellow (62%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8531, 0.2631, 0.4672 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 73.8531, 0.2631, 0.4672 by changing the saturation by 10% instead.


 73.8531, 0.2631,
0.4672


 73.8531, 0.2631,
0.4672


473.9662, 0.2887,
0.3980


 54.6738, 0.2566,
0.4842

 124.6875, 0.2725,
0.4422


 39.1406, 0.2482,
0.5058


 157.1115, 0.2760,
0.4328


 26.8691, 0.2370,
0.5341


 194.7191, 0.2790,
0.4248

 17.4750, 0.2214,
0.5723

 237.8948, 0.2815,
0.4179

 10.5737, 0.1989,
0.6261

 287.0230, 0.2837,
0.4119

 5.7810, 0.1642,
0.7051


342.4880, 0.2856,

 2.7124, 0.0742,


0.4067


0.9258

404.6743, 0.2873,
0.4021


 0.9835, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.8531, 0.2631,
0.4672


 73.8531, 0.2631,
0.4672


 73.8530, 0.2631,
0.4672


 74.4170, 0.2606,
0.4522


 75.2876, 0.2598,
0.4367


 76.5503, 0.2611,
0.4211


 78.2578, 0.2644,
0.4055

 80.4541, 0.2696,
0.3905

 83.1780, 0.2763,
0.3761

 86.4641, 0.2843,
0.3627

 90.3440, 0.2933,
0.3503

 94.8468, 0.3028,
0.3391

Harmonies

Analogous

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



73.8531, 0.3511, 0.5076



73.8531, 0.2631, 0.4672



73.8531, 0.1937, 0.3653

Triad

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



73.8531, 0.2631, 0.4672



73.8531, 0.1886, 0.1903



73.8531, 0.4955, 0.3463

Complementary

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



73.8531, 0.2631, 0.4672



22.1996, 0.5443, 0.2772

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.



73.8531, 0.4391, 0.2835



73.8531, 0.2631, 0.4672



73.8531, 0.2515, 0.1985

Square

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



73.8531, 0.2631, 0.4672



73.8531, 0.1581, 0.2110



73.8531, 0.3434, 0.2314



73.8531, 0.4897, 0.4133

Rectangle

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



73.8531, 0.2631, 0.4672



73.8531, 0.1665, 0.2969



73.8531, 0.3434, 0.2314



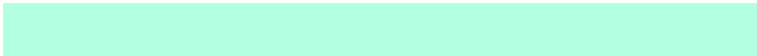
73.8531, 0.4833, 0.3247

Sweetspot

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



73.8530, 0.2631, 0.4672



86.4641, 0.2843, 0.3627



74.3448, 0.3228, 0.5819



18.1952, 0.2808, 0.3682



0.0000, 0.0000, 0.0000



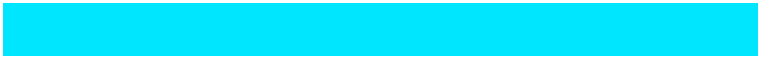
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.8530, 0.2631, 0.4672



63.5357, 0.2157, 0.2966



20.3525, 0.3033, 0.3386



38.6201, 0.2624, 0.4647



3.7818, 0.2576, 0.4475

Inverse Universe

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



22.1996, 0.5443, 0.2772



21.9768, 0.6339, 0.3349



18.1063, 0.3232, 0.3196



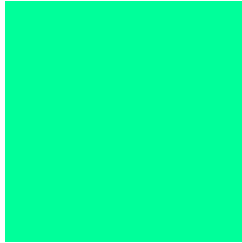
11.6272, 0.5400, 0.2748



1.1529, 0.5097, 0.2582

Previews

White Background



This preview shows how the Yxy color 73.8531, 0.2631, 0.4672 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 73.8531, 0.2631, 0.4672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

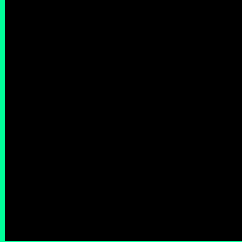
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.8531, 0.2631, 0.4672

Background



This preview shows how black text looks on a background with the Yxy color 73.8531, 0.2631, 0.4672.



This preview shows how white text looks on a background with the Yxy color 73.8531, 0.2631, 0.4672.

Color Blindness Simulation

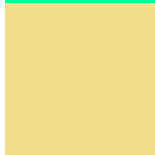
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.8531, 0.2631, 0.4672



Protanopia

72.3071, 0.3834, 0.4146



Deuteranopia

71.9436, 0.3726, 0.3683



Tritanopia

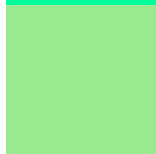
73.5422, 0.2438, 0.3102

Trichromacy



Original Color

73.8531, 0.2631, 0.4672



Protanomaly

67.0945, 0.3123, 0.4422



Deuteranomaly

65.9582, 0.3058, 0.4065



Tritanomaly

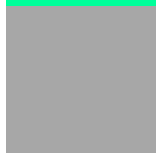
72.1161, 0.2453, 0.3633

Monochromacy



Original Color

73.8531, 0.2631, 0.4672



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

46.5197, 0.2722, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8531, 0.2631, 0.4672 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 154) }
```

Border

The CSS property to change the border of an element to Yxy 73.8531, 0.2631, 0.4672 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, 154) }
```

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

```
.border{ border-color:rgb(0, 255, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
154) }
```

Background

The CSS property to change the background color of an element to Yxy 73.8531, 0.2631, 0.4672 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, 154) }
```

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

```
.background{ background-color: rgb(0, 255,  
154) }
```

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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