

Converting Colors

$Y_{xy}(73.0454, 0.2620, 0.4630)$

Have a look what the booklet for
Yxy(73.0454, 0.2620, 0.4630)
contains.

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Color

Yxy(73.2904, 0.2621, 0.4634)

Conversions

Conversions Part 1

Format	Color
Hex	01FE9C
RGB	1, 254, 156
RGB Percent	0%, 100%, 61%
CMY	0.9968, 0.0039, 0.3882
CMYK	1.00, 0.00, 0.39, 0.00
HSL	157°, 99%, 50%
HSV	157°, 100%, 100%
XYZ	41.4532, 73.2904, 43.4144
YIQ	167.1810, -119.3300, -84.1140

Conversions

Conversions Part 2

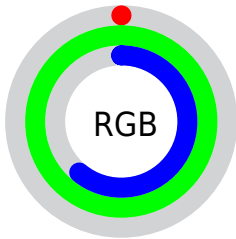
Format	Color
RYB	1, 158, 254
Decimal	130716
CIELab	88.59, -71.62, 33.12
CIELCh	89, 78.909, 155.186
Yxy	73.2904, 0.2621, 0.4634
Android (android.graphics.Color)	4278320796 (0xFF01FE9C)
YUV	167.1810, -5.5122, -145.7407
Hunter-Lab	85.6098, -63.3855, 29.8598

Details

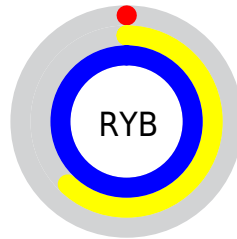
The Yxy color **73.2904, 0.2621, 0.4634** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **21.9872, 0.5470, 0.2789**, and the grayscale version is **38.7812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8680, 0.2617, 0.3828**, and **40.4793, 0.2697, 0.4909** is the 20% darker color. If you saturate the color by 10%, you get **73.2773, 0.2622, 0.4639**, and if you desaturate by 10%, it is **73.8573, 0.2597, 0.4487**.

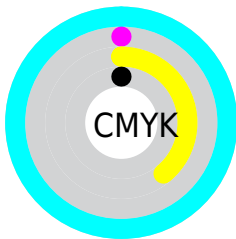
Distribution



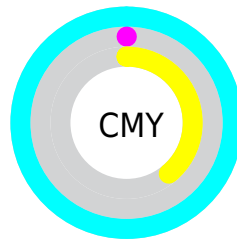
- Red (0%)
- Green (100%)
- Blue (61%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.2904, 0.2621, 0.4634 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 73.2904, 0.2621, 0.4634 by changing the saturation by 10% instead.

 73.2904, 0.2621,
0.4634


 73.2904, 0.2621,
0.4634

472.0207, 0.2881,
0.3961

 54.2135, 0.2555,
0.4800

 123.8894, 0.2716,
0.4391


 38.7723, 0.2471,
0.5010


 156.1802, 0.2752,
0.4299

 26.5827, 0.2359,
0.5286


 193.6444, 0.2782,
0.4221

 17.2600, 0.2204,
0.5659

 236.6665, 0.2807,
0.4154

 10.4201, 0.1979,
0.6187

 285.6307, 0.2829,
0.4097

 5.6784, 0.1635,
0.6967


340.9216, 0.2849,

 2.6505, 0.0725,


0.4046

0.9275


402.9234, 0.2866,
0.4001


 0.9521, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.2904, 0.2621,
0.4634


 73.2904, 0.2621,
0.4634

 73.2773, 0.2622,
0.4639

 73.8573, 0.2597,
0.4487


 74.7291, 0.2590,
0.4336


 75.9902, 0.2605,
0.4183


 77.6922, 0.2639,
0.4032

 79.8787, 0.2693,
0.3885

 82.5876, 0.2761,
0.3746

 85.8533, 0.2843,
0.3615

 89.7068, 0.2933,
0.3495

 94.1770, 0.3030,
0.3385

Harmonies

Analogous

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



73.2904, 0.3490, 0.5052



73.2904, 0.2621, 0.4634



73.2904, 0.1940, 0.3626

Triad

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



73.2904, 0.2621, 0.4634



73.2904, 0.1909, 0.1916



73.2904, 0.4938, 0.3478

Complementary

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



73.2904, 0.2621, 0.4634



21.9872, 0.5470, 0.2789

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.



73.2904, 0.4393, 0.2854



73.2904, 0.2621, 0.4634



73.2904, 0.2540, 0.2003

Square

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



73.2904, 0.2621, 0.4634



73.2904, 0.1600, 0.2116



73.2904, 0.3452, 0.2334



73.2904, 0.4870, 0.4142

Rectangle

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



73.2904, 0.2621, 0.4634



73.2904, 0.1674, 0.2955



73.2904, 0.3452, 0.2334



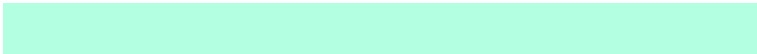
73.2904, 0.4822, 0.3263

Sweetspot

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



73.2933, 0.2621, 0.4634



86.5017, 0.2840, 0.3619



73.7197, 0.3230, 0.5816



18.2042, 0.2804, 0.3673



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.



73.2933, 0.2621, 0.4634



73.9303, 0.2622, 0.4639



63.0273, 0.2158, 0.2968



20.3553, 0.3032, 0.3384



38.6603, 0.2615, 0.4615



3.7856, 0.2569, 0.4447

Inverse Universe

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



21.9872, 0.5470, 0.2789



22.1552, 0.5479, 0.2792



21.8187, 0.6334, 0.3350



18.1035, 0.3233, 0.3198



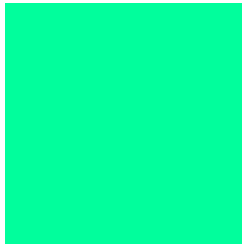
11.6036, 0.5437, 0.2769



1.1504, 0.5131, 0.2600

Previews

White Background



This preview shows how the Yxy color 73.2904, 0.2621, 0.4634 looks on a white background.

Color Contrast Check

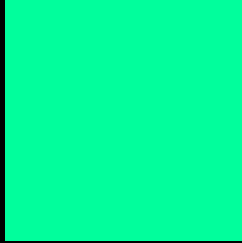
Large Text (above 18pt) WCAG AA × Fail

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 73.2904, 0.2621, 0.4634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

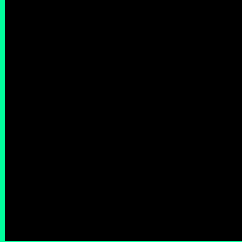
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.2904, 0.2621, 0.4634

Background



This preview shows how black text looks on a background with the Yxy color 73.2904, 0.2621, 0.4634.



This preview shows how white text looks on a background with the Yxy color 73.2904, 0.2621, 0.4634.

Color Blindness Simulation

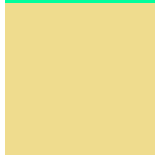
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.2904, 0.2621, 0.4634



Protanopia

71.4901, 0.3809, 0.4121



Deuteranopia

71.4030, 0.3736, 0.3684



Tritanopia

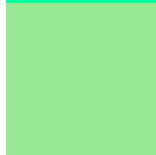
72.6542, 0.2421, 0.3089

Trichromacy



Original Color

73.2904, 0.2621, 0.4634



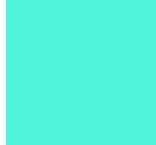
Protanomaly

66.4952, 0.3107, 0.4388



Deuteranomaly

65.5147, 0.3065, 0.4053



Tritanomaly

71.4781, 0.2441, 0.3608

Monochromacy



Original Color

73.2904, 0.2621, 0.4634



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

46.6170, 0.2721, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.2904, 0.2621, 0.4634 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(1, 254, 156)` looks like.

```
.text, #text, p{  
    color:rgb(1, 254, 156)  
}
```

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(1, 254, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 254, 156) }
```

Border

The CSS property to change the border of an element to Yxy 73.2904, 0.2621, 0.4634 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(1, 254, 156) }
```

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

```
.border{ border-color:rgb(1, 254, 156) }
```

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

Here you see how a box with a 4 pixel rgb(1, 254, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 254, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 254, 156);  
box-shadow:4px 4px 4px 4px rgb(1, 254,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 73.2904, 0.2621, 0.4634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 254, 156) }
```

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

```
.background{ background-color: rgb(1, 254,  
156) }
```

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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