

Converting Colors

$Y_{xy}(74.1109, 0.2601, 0.4564)$

Have a look what the booklet for
Yxy(74.1109, 0.2601, 0.4564)
contains.

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Color

Yxy(74.1286, 0.2599, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	00FFA2
RGB	0, 255, 162
RGB Percent	0%, 100%, 64%
CMY	1.0000, 0.0000, 0.3647
CMYK	1.00, 0.00, 0.36, 0.00
HSL	158°, 100%, 50%
HSV	158°, 100%, 100%
XYZ	42.2779, 74.1286, 46.2633
YIQ	168.1530, -122.1270, -82.9830

Conversions

Conversions Part 2

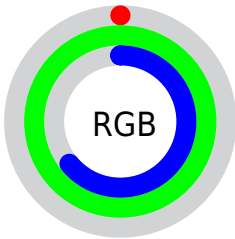
Format	Color
RYB	0, 156, 255
Decimal	65442
CIELab	88.98, -70.84, 30.65
CIELCh	89, 77.184, 156.604
Yxy	74.1286, 0.2599, 0.4557
Android (android.graphics.Color)	4278255522 (0xFF00FFA2)
YUV	168.1530, -3.0334, -147.4702
Hunter-Lab	86.0980, -63.0201, 28.4101

Details

The Yxy color **74.1286, 0.2599, 0.4557** 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 **22.0502, 0.5569, 0.2842**, and the grayscale version is **39.2970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1746, 0.2590, 0.3751**, and **41.0583, 0.2670, 0.4813** is the 20% darker color. If you saturate the color by 10%, you get **74.1288, 0.2599, 0.4557**, and if you desaturate by 10%, it is **74.6850, 0.2577, 0.4418**.

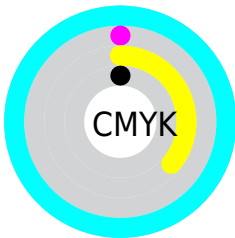
Distribution



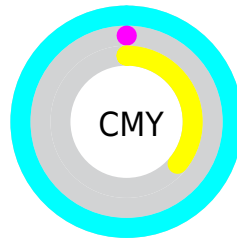
- Red (0%)
- Green (100%)
- Blue (64%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.1286, 0.2599, 0.4557 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 74.1286, 0.2599, 0.4557 by changing the saturation by 10% instead.


 74.1286, 0.2599,
0.4557

 74.1286, 0.2599,
0.4557


474.9171, 0.2865,
0.3926

 54.8993, 0.2533,
0.4712

 125.0781, 0.2696,
0.4329

 39.3211, 0.2448,
0.4908


 157.5671, 0.2732,
0.4243

 27.0096, 0.2337,
0.5165


 195.2447, 0.2763,
0.4170

 17.5804, 0.2185,
0.5513

 238.4955, 0.2789,
0.4108

 10.6492, 0.1967,
0.6006

 287.7037, 0.2812,
0.4053

 5.8315, 0.1637,
0.6739


343.2538, 0.2832,

 2.7429, 0.0850,


0.4005


0.8690


405.5301, 0.2850,
0.3963


 0.9990, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.1286, 0.2599,
0.4557

 74.1286, 0.2599,
0.4557


 74.1288, 0.2599,
0.4557

 74.6850, 0.2577,
0.4418


 75.5438, 0.2571,
0.4276


 76.7905, 0.2587,
0.4133

 78.4777, 0.2623,
0.3991

 80.6493, 0.2677,
0.3853

 83.3439, 0.2748,
0.3722

 86.5959, 0.2831,
0.3599

 90.4368, 0.2924,
0.3486

 94.8958, 0.3024,
0.3383

Harmonies

Analogous

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



74.1286, 0.3447, 0.5003



74.1286, 0.2599, 0.4557



74.1286, 0.1944, 0.3569

Triad

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



74.1286, 0.2599, 0.4557



74.1286, 0.1957, 0.1942



74.1286, 0.4904, 0.3511

Complementary

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



74.1286, 0.2599, 0.4557



22.0502, 0.5569, 0.2842

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.



74.1286, 0.4398, 0.2893



74.1286, 0.2599, 0.4557



74.1286, 0.2591, 0.2039

Square

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



74.1286, 0.2599, 0.4557



74.1286, 0.1638, 0.2126



74.1286, 0.3492, 0.2375



74.1286, 0.4816, 0.4162

Rectangle

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



74.1286, 0.2599, 0.4557



74.1286, 0.1693, 0.2926



74.1286, 0.3492, 0.2375



74.1286, 0.4799, 0.3299

Sweetspot

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



74.1288, 0.2599, 0.4557



86.5959, 0.2831, 0.3599



73.8733, 0.3192, 0.5848



18.2266, 0.2795, 0.3650



0.0000, 0.0000, 0.0000



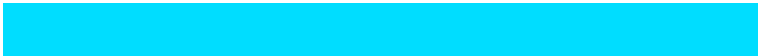
21.4041, 0.3127, 0.3290

Same Dimension

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



74.1288, 0.2599, 0.4557



58.9329, 0.2126, 0.2854



20.3624, 0.3029, 0.3378



38.7636, 0.2593, 0.4534



3.7953, 0.2549, 0.4375

Inverse Universe

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



22.0502, 0.5569, 0.2842



22.4041, 0.6303, 0.3377



18.0966, 0.3237, 0.3204



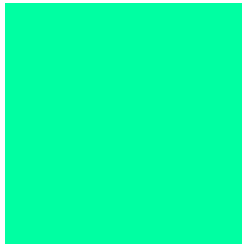
11.5478, 0.5526, 0.2818



1.1445, 0.5214, 0.2646

Previews

White Background



This preview shows how the Yxy color 74.1286, 0.2599, 0.4557 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 74.1286, 0.2599, 0.4557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

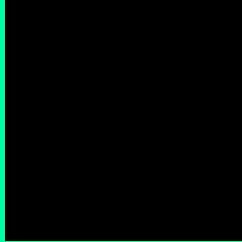
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.1286, 0.2599, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 74.1286, 0.2599, 0.4557.

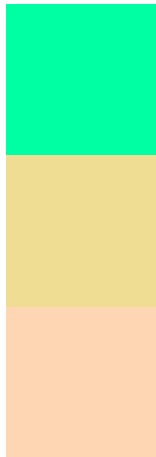


This preview shows how white text looks on a background with the Yxy color 74.1286, 0.2599, 0.4557.

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

74.1286, 0.2599, 0.4557

Protanopia

72.3763, 0.3773, 0.4067

Deuteranopia

72.6078, 0.3693, 0.3652



Tritanopia

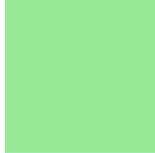
73.6988, 0.2446, 0.3102

Trichromacy



Original Color

74.1286, 0.2599, 0.4557



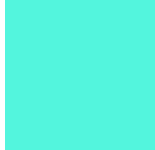
Protanomaly

67.3500, 0.3079, 0.4318



Deuteranomaly

66.7371, 0.3022, 0.3997



Tritanomaly

72.3643, 0.2446, 0.3593

Monochromacy



Original Color

74.1286, 0.2599, 0.4557



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

47.1875, 0.2705, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.1286, 0.2599, 0.4557 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 162) }
```

Border

The CSS property to change the border of an element to Yxy 74.1286, 0.2599, 0.4557 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, 162) }
```

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

```
.border{ border-color:rgb(0, 255, 162) }
```

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, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
162) }
```

Background

The CSS property to change the background color of an element to Yxy 74.1286, 0.2599, 0.4557 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, 162) }
```

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

```
.background{ background-color: rgb(0, 255,  
162) }
```

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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