

Converting Colors

$Y_{xy}(90.3382, 0.2500, 0.4837)$

Have a look what the booklet for
Yxy(90.3382, 0.2500, 0.4837)
contains.

Yxy(74.1643, 0.2595, 0.4543)	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(74.1643, 0.2595, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	00FFA3
RGB	0, 255, 163
RGB Percent	0%, 100%, 64%
CMY	1.0000, 0.0000, 0.3609
CMYK	1.00, 0.00, 0.36, 0.00
HSL	158°, 100%, 50%
HSV	158°, 100%, 100%
XYZ	42.3633, 74.1643, 46.7220
YIQ	168.2670, -122.4480, -82.6720

Conversions

Conversions Part 2

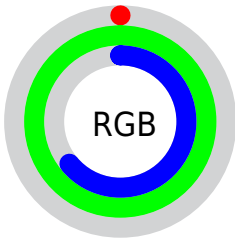
Format	Color
RYB	0, 156, 255
Decimal	65443
CIELab	89.00, -70.65, 30.18
CIELCh	89, 76.831, 156.868
Yxy	74.1643, 0.2595, 0.4543
Android (android.graphics.Color)	4278255523 (0xFF00FFA3)
YUV	168.2670, -2.5966, -147.5702
Hunter-Lab	86.1187, -62.9005, 28.1164

Details

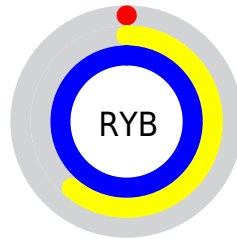
The Yxy color **74.1643, 0.2595, 0.4543** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.0331, 0.5584, 0.2850**, and the grayscale version is **39.3526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2268, 0.2585, 0.3738**, and **41.0802, 0.2665, 0.4795** is the 20% darker color. If you saturate the color by 10%, you get **74.1636, 0.2595, 0.4543**, and if you desaturate by 10%, it is **74.7186, 0.2573, 0.4406**.

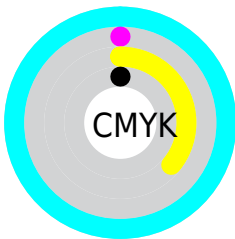
Distribution



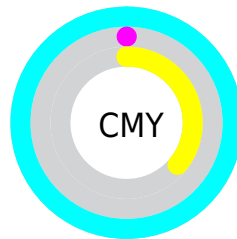
- Red (0%)
- Green (100%)
- Blue (64%)



- 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 74.1643, 0.2595, 0.4543 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 74.1643, 0.2595, 0.4543 by changing the saturation by 10% instead.

 74.1643, 0.2595,
0.4543

 74.1643, 0.2595,
0.4543


475.0402, 0.2863,
0.3919

 54.9285, 0.2529,
0.4696


 125.1287, 0.2692,
0.4318

 39.3445, 0.2444,
0.4890


 157.6261, 0.2729,
0.4233


 27.0278, 0.2333,
0.5144


 195.3128, 0.2759,
0.4161

 17.5941, 0.2181,
0.5488

 238.5733, 0.2786,
0.4099

 10.6590, 0.1964,
0.5975

 287.7918, 0.2809,
0.4045

 5.8380, 0.1636,
0.6700


343.3529, 0.2829,

 2.7468, 0.0857,


0.3998


0.8580


405.6409, 0.2847,
0.3956


 1.0010, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.1643, 0.2595,
0.4543


 74.1643, 0.2595,
0.4543


 74.1636, 0.2595,
0.4543

 74.7186, 0.2573,
0.4406


 75.5758, 0.2568,
0.4265


 76.8204, 0.2584,
0.4123


 78.5050, 0.2620,
0.3983

 80.6735, 0.2675,
0.3847

 83.3643, 0.2746,
0.3718

 86.6121, 0.2830,
0.3596

 90.4482, 0.2923,
0.3484

 94.9018, 0.3023,
0.3382

Harmonies

Analogous

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



74.1643, 0.3439, 0.4994



74.1643, 0.2595, 0.4543



74.1643, 0.1945, 0.3559

Triad

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



74.1643, 0.2595, 0.4543



74.1643, 0.1966, 0.1947



74.1643, 0.4898, 0.3517

Complementary

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



74.1643, 0.2595, 0.4543



22.0331, 0.5584, 0.2850

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.



74.1643, 0.4399, 0.2900



74.1643, 0.2595, 0.4543



74.1643, 0.2601, 0.2046

Square

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



74.1643, 0.2595, 0.4543



74.1643, 0.1645, 0.2128



74.1643, 0.3499, 0.2382



74.1643, 0.4806, 0.4166

Rectangle

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



74.1643, 0.2595, 0.4543



74.1643, 0.1696, 0.2921



74.1643, 0.3499, 0.2382



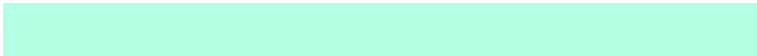
74.1643, 0.4795, 0.3305

Sweetspot

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



74.1636, 0.2595, 0.4543



86.6121, 0.2830, 0.3596



73.8733, 0.3192, 0.5848



18.2305, 0.2793, 0.3646



0.0000, 0.0000, 0.0000



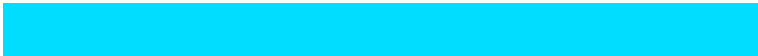
21.4041, 0.3127, 0.3290

Same Dimension

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



74.1636, 0.2595, 0.4543



58.9329, 0.2126, 0.2854



20.3637, 0.3028, 0.3377



38.7817, 0.2589, 0.4520



3.7970, 0.2545, 0.4363

Inverse Universe

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



22.0331, 0.5584, 0.2850



22.4041, 0.6303, 0.3377



18.0954, 0.3237, 0.3205



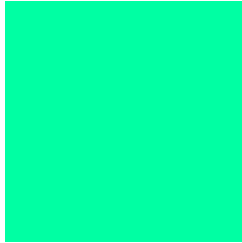
11.5387, 0.5541, 0.2826



1.1435, 0.5228, 0.2654

Previews

White Background



This preview shows how the Yxy color 74.1643, 0.2595, 0.4543 looks on a white background.

Color Contrast Check

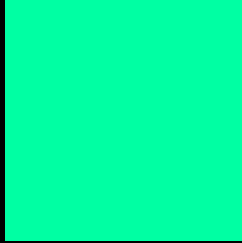
Large Text (above 18pt) WCAG AA × Fail

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 74.1643, 0.2595, 0.4543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

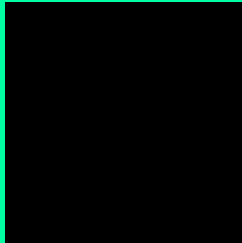
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.1643, 0.2595, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 74.1643, 0.2595, 0.4543.

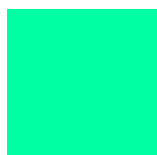


This preview shows how white text looks on a background with the Yxy color 74.1643, 0.2595, 0.4543.

Color Blindness Simulation

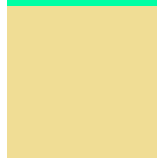
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



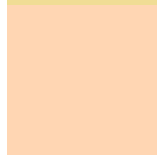
Original Color

74.1643, 0.2595, 0.4543



Protanopia

72.4081, 0.3766, 0.4057



Deuteranopia

72.6078, 0.3693, 0.3652



Tritanopia

73.6988, 0.2446, 0.3102

Trichromacy



Original Color

74.1643, 0.2595, 0.4543



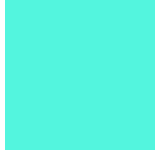
Protanomaly

67.3832, 0.3073, 0.4305



Deuteranomaly

66.7371, 0.3022, 0.3997



Tritanomaly

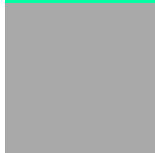
72.4177, 0.2442, 0.3580

Monochromacy



Original Color

74.1643, 0.2595, 0.4543



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 74.1643, 0.2595, 0.4543 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 163) }
```

Border

The CSS property to change the border of an element to Yxy 74.1643, 0.2595, 0.4543 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, 163) }
```

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

```
.border{ border-color:rgb(0, 255, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
163) }
```

Background

The CSS property to change the background color of an element to Yxy 74.1643, 0.2595, 0.4543 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, 163) }
```

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

```
.background{ background-color: rgb(0, 255,  
163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor