

Converting Colors

$Y_{xy}(76.7986, 0.2642, 0.4690)$

Have a look what the booklet for
Yxy(76.7986, 0.2642, 0.4690)
contains.

Yxy(73.9647, 0.2633, 0.4656)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.9647, 0.2633, 0.4656)

Conversions

Conversions Part 1

Format	Color
Hex	0CFF9B
RGB	12, 255, 155
RGB Percent	5%, 100%, 61%
CMY	0.9521, 0.0000, 0.3923
CMYK	0.95, 0.00, 0.39, 0.00
HSL	155°, 100%, 52%
HSV	155°, 95%, 100%
XYZ	41.8275, 73.9647, 43.0666
YIQ	170.9430, -112.7280, -82.6160

Conversions

Conversions Part 2

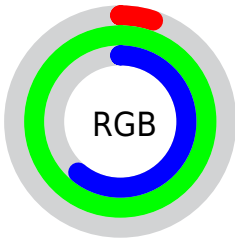
Format	Color
R_YB	12, 165, 255
Decimal	851867
CIE Lab	88.91, -71.86, 34.06
CIE LCh	89, 79.528, 154.640
Yxy	73.9647, 0.2633, 0.4656
Android (android.graphics.Color)	4279041947 (0xFF0CFF9B)
YUV	170.9430, -7.8599, -139.3930
Hunter-Lab	86.0027, -63.6911, 30.5119

Details

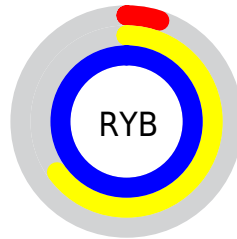
The Yxy color **73.9647, 0.2633, 0.4656** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.7033, 0.5246, 0.2688**, and the grayscale version is **40.8081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9551, 0.2629, 0.3840**, and **40.9118, 0.2705, 0.4937** is the 20% darker color. If you saturate the color by 10%, you get **73.7200, 0.2647, 0.4730**, and if you desaturate by 10%, it is **74.6604, 0.2614, 0.4498**.

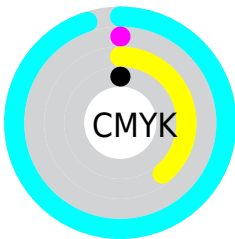
Distribution



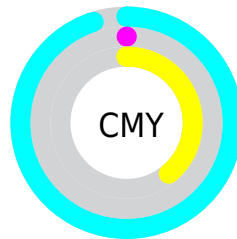
- Red (5%)
- Green (100%)
- Blue (61%)



- Red (5%)
- Yellow (65%)
- Blue (100%)



- Cyan (95%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (95%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9647, 0.2633, 0.4656 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 73.9647, 0.2633, 0.4656 by changing the saturation by 10% instead.


 73.9647, 0.2633,
0.4656


 73.9647, 0.2633,
0.4656


474.3515, 0.2888,
0.3973


 54.7651, 0.2568,
0.4824


 124.8458, 0.2727,
0.4409

 39.2137, 0.2485,
0.5037


 157.2961, 0.2762,
0.4316


 26.9260, 0.2374,
0.5316

 194.9321, 0.2791,
0.4237

 17.5177, 0.2221,
0.5693

 238.1382, 0.2816,
0.4169

 10.6043, 0.1998,
0.6224

 287.2988, 0.2838,
0.4110

 5.8014, 0.1655,
0.7005


342.7983, 0.2856,

 2.7247, 0.0794,


0.4059

0.9206

405.0211, 0.2873,
0.4013

 0.9898, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.9647, 0.2633,
0.4656


 73.9647, 0.2633,
0.4656

 73.7200, 0.2647,
0.4730

 74.6604, 0.2614,
0.4498


 75.7174, 0.2614,
0.4335


 77.1954, 0.2636,
0.4172


 79.1423, 0.2677,
0.4012

 81.5996, 0.2735,
0.3858

 84.6040, 0.2808,
0.3713

 88.1886, 0.2891,
0.3578

 92.3838, 0.2981,
0.3455

 97.2181, 0.3077,
0.3343

Harmonies

Analogous

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



73.9647, 0.3507, 0.5061



73.9647, 0.2633, 0.4656



73.9647, 0.1944, 0.3647

Triad

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



73.9647, 0.2633, 0.4656



73.9647, 0.1896, 0.1912



73.9647, 0.4941, 0.3466

Complementary

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



73.9647, 0.2633, 0.4656



22.7033, 0.5246, 0.2688

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.



73.9647, 0.4384, 0.2841



73.9647, 0.2633, 0.4656



73.9647, 0.2523, 0.1994

Square

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



73.9647, 0.2633, 0.4656



73.9647, 0.1591, 0.2118



73.9647, 0.3435, 0.2322



73.9647, 0.4883, 0.4132

Rectangle

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



73.9647, 0.2633, 0.4656



73.9647, 0.1674, 0.2969



73.9647, 0.3435, 0.2322



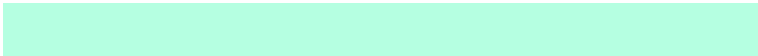
73.9647, 0.4821, 0.3251

Sweetspot

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



73.9651, 0.2633, 0.4656



86.7605, 0.2858, 0.3628



75.0825, 0.3274, 0.5759



18.2481, 0.2823, 0.3686



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.



73.9651, 0.2633, 0.4656



73.7200, 0.2647, 0.4730



66.5832, 0.2181, 0.3035



20.3474, 0.3035, 0.3390



38.5507, 0.2640, 0.4704



3.7753, 0.2591, 0.4526

Inverse Universe

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



22.7033, 0.5246, 0.2688



22.2812, 0.5377, 0.2736



22.3440, 0.6278, 0.3353



18.1112, 0.3229, 0.3192



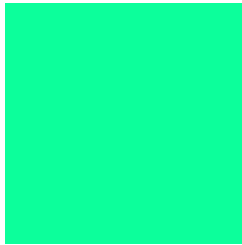
11.6704, 0.5335, 0.2712



1.1574, 0.5038, 0.2549

Previews

White Background



This preview shows how the Yxy color 73.9647, 0.2633, 0.4656 looks on a white background.

Color Contrast Check

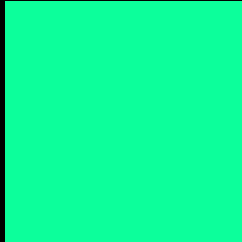
Large Text (above 18pt) WCAG AA × Fail

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 73.9647, 0.2633, 0.4656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

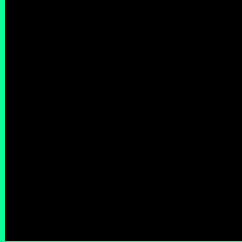
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.9647, 0.2633, 0.4656

Background



This preview shows how black text looks on a background with the Yxy color 73.9647, 0.2633, 0.4656.

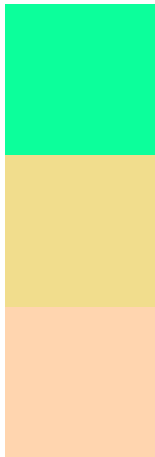


This preview shows how white text looks on a background with the Yxy color 73.9647, 0.2633, 0.4656.

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

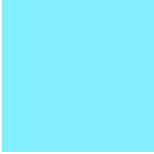
73.9647, 0.2633, 0.4656

Protanopia

72.3368, 0.3827, 0.4136

Deuteranopia

71.9436, 0.3726, 0.3683



Tritanopia

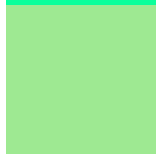
73.6201, 0.2442, 0.3102

Trichromacy



Original Color

73.9647, 0.2633, 0.4656



Protanomaly

67.6223, 0.3150, 0.4398



Deuteranomaly

66.5294, 0.3085, 0.4045



Tritanomaly

72.4455, 0.2466, 0.3618

Monochromacy



Original Color

73.9647, 0.2633, 0.4656



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

48.4684, 0.2749, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9647, 0.2633, 0.4656 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(12, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(12, 255, 155)  
}
```

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(12, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 255, 155) }
```

Border

The CSS property to change the border of an element to Yxy 73.9647, 0.2633, 0.4656 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(12, 255, 155) }
```

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

```
.border{ border-color:rgb(12, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(12, 255,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9647, 0.2633, 0.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 255, 155) }
```

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

```
.background{ background-color: rgb(12, 255,  
155) }
```

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