

Converting Colors

$Y_{xy}(73.7993, 0.2653, 0.4729)$

Have a look what the booklet for
Yxy(73.7993, 0.2653, 0.4729)
contains.

Yxy(73.8002, 0.2653, 0.4727)	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(73.8002, 0.2653, 0.4727)

Conversions

Conversions Part 1

Format	Color
Hex	0CFF96
RGB	12, 255, 150
RGB Percent	5%, 100%, 59%
CMY	0.9510, 0.0000, 0.4119
CMYK	0.95, 0.00, 0.41, 0.00
HSL	154°, 100%, 52%
HSV	154°, 95%, 100%
XYZ	41.4199, 73.8002, 40.9047
YIQ	170.3730, -111.1230, -84.1710

Conversions

Conversions Part 2

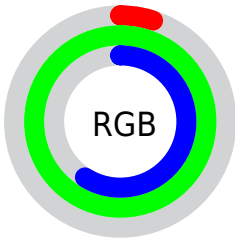
Format	Color
RYB	12, 167, 255
Decimal	851862
CIELab	88.83, -72.77, 36.43
CIELCh	89, 81.376, 153.408
Yxy	73.8002, 0.2653, 0.4727
Android (android.graphics.Color)	4279041942 (0xFF0CFF96)
YUV	170.3730, -10.0439, -138.8931
Hunter-Lab	85.9070, -64.2739, 31.9040

Details

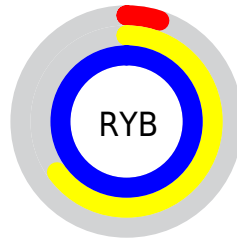
The Yxy color **73.8002, 0.2653, 0.4727** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.8316, 0.5159, 0.2640**, and the grayscale version is **40.5634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7097, 0.2651, 0.3905**, and **40.8143, 0.2729, 0.5023** is the 20% darker color. If you saturate the color by 10%, you get **73.5510, 0.2668, 0.4806**, and if you desaturate by 10%, it is **74.5059, 0.2632, 0.4561**.

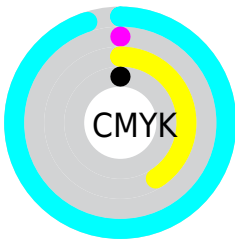
Distribution



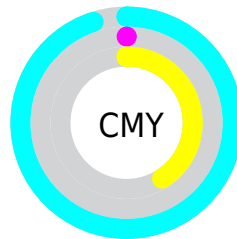
- Red (5%)
- Green (100%)
- Blue (59%)



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



- Cyan (95%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (95%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.8002, 0.2653, 0.4727 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 73.8002, 0.2653, 0.4727 by changing the saturation by 10% instead.


 73.8002, 0.2653,
0.4727


 73.8002, 0.2653,
0.4727


473.7835, 0.2902,
0.4007


 54.6305, 0.2589,
0.4904

 124.6125, 0.2745,
0.4466

 39.1060, 0.2505,
0.5129


 157.0240, 0.2779,
0.4368


 26.8422, 0.2394,
0.5424


 194.6182, 0.2808,
0.4285

 17.4547, 0.2238,
0.5821

 237.7794, 0.2832,
0.4213

 10.5592, 0.2010,
0.6378

 286.8922, 0.2853,
0.4151

 5.7713, 0.1655,
0.7189


342.3409, 0.2872,

 2.7065, 0.0703,

0.4097

0.9297


404.5099, 0.2887,
0.4049


 0.9805, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.8002, 0.2653,
0.4727


 73.8002, 0.2653,
0.4727


 73.5510, 0.2668,
0.4806

 74.5059, 0.2632,
0.4561


 75.5741, 0.2631,
0.4391

 77.0669, 0.2651,
0.4219


 79.0324, 0.2691,
0.4050

 81.5121, 0.2748,
0.3887

 84.5425, 0.2818,
0.3734

 88.1571, 0.2899,
0.3592

 92.3864, 0.2987,
0.3462

 97.2587, 0.3079,
0.3345

Harmonies

Analogous

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



73.8002, 0.3546, 0.5103



73.8002, 0.2653, 0.4727



73.8002, 0.1940, 0.3699

Triad

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



73.8002, 0.2653, 0.4727



73.8002, 0.1853, 0.1888



73.8002, 0.4972, 0.3436

Complementary

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



73.8002, 0.2653, 0.4727



22.8316, 0.5159, 0.2640

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.



73.8002, 0.4379, 0.2805



73.8002, 0.2653, 0.4727



73.8002, 0.2476, 0.1962

Square

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



73.8002, 0.2653, 0.4727



73.8002, 0.1557, 0.2108



73.8002, 0.3399, 0.2285



73.8002, 0.4933, 0.4113

Rectangle

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



73.8002, 0.2653, 0.4727



73.8002, 0.1657, 0.2997



73.8002, 0.3399, 0.2285



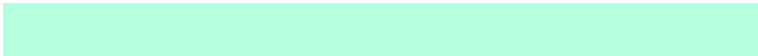
73.8002, 0.4841, 0.3219

Sweetspot

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



73.8030, 0.2653, 0.4727



86.6761, 0.2866, 0.3646



75.3700, 0.3295, 0.5743



18.2280, 0.2832, 0.3707



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.



73.8030, 0.2653, 0.4727



73.5510, 0.2668, 0.4806



68.9370, 0.2196, 0.3087



20.3407, 0.3038, 0.3395



38.4625, 0.2661, 0.4779



3.7669, 0.2609, 0.4593

Inverse Universe

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



22.8316, 0.5159, 0.2640



22.3953, 0.5288, 0.2687



22.1500, 0.6293, 0.3339



18.1177, 0.3226, 0.3187



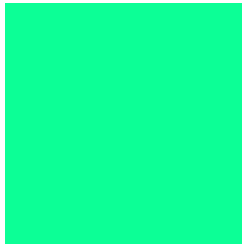
11.7307, 0.5247, 0.2664



1.1636, 0.4959, 0.2506

Previews

White Background



This preview shows how the Yxy color 73.8002, 0.2653, 0.4727 looks on a white background.

Color Contrast Check

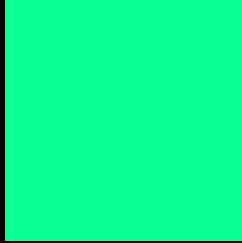
Large Text (above 18pt) WCAG AA × Fail

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 73.8002, 0.2653, 0.4727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

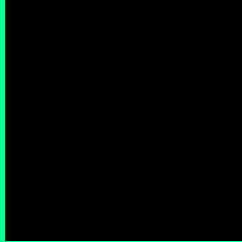
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.8002, 0.2653, 0.4727

Background



This preview shows how black text looks on a background with the Yxy color 73.8002, 0.2653, 0.4727.



This preview shows how white text looks on a background with the Yxy color 73.8002, 0.2653, 0.4727.

Color Blindness Simulation

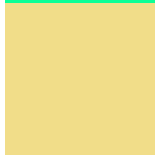
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.8002, 0.2653, 0.4727



Protanopia

72.2198, 0.3853, 0.4175



Deuteranopia

71.8656, 0.3741, 0.3704



Tritanopia

72.9583, 0.2436, 0.3090

Trichromacy



Original Color

73.8002, 0.2653, 0.4727



Protanomaly

67.4999, 0.3172, 0.4449



Deuteranomaly

66.4189, 0.3103, 0.4084



Tritanomaly

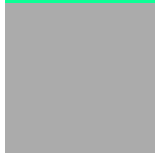
71.6896, 0.2469, 0.3633

Monochromacy



Original Color

73.8002, 0.2653, 0.4727



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

48.3961, 0.2761, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.8002, 0.2653, 0.4727 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(12, 255, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 73.8002, 0.2653, 0.4727 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, 150) }
```

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

```
.border{ border-color:rgb(12, 255, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(12, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 73.8002, 0.2653, 0.4727 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, 150) }
```

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

```
.background{ background-color: rgb(12, 255,  
150) }
```

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