

Converting Colors

$Y_{xy}(73.7220, 0.2647, 0.4729)$

Have a look what the booklet for
Yxy(73.7220, 0.2647, 0.4729)
contains.

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Color

Yxy(73.7220, 0.2647, 0.4729)

Conversions

Conversions Part 1

Format	Color
Hex	00FF96
RGB	0, 255, 150
RGB Percent	0%, 100%, 59%
CMY	0.9998, 0.0000, 0.4118
CMYK	1.00, 0.00, 0.41, 0.00
HSL	155°, 100%, 50%
HSV	155°, 100%, 100%
XYZ	41.2650, 73.7220, 40.9064
YIQ	166.7850, -118.2750, -86.7150

Conversions

Conversions Part 2

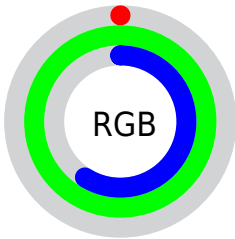
Format	Color
RYB	0, 161, 255
Decimal	65430
CIELab	88.79, -73.08, 36.36
CIELCh	89, 81.627, 153.548
Yxy	73.7220, 0.2647, 0.4729
Android (android.graphics.Color)	4278255510 (0xFF00FF96)
YUV	166.7850, -8.2750, -146.2704
Hunter-Lab	85.8615, -64.4707, 31.8559

Details

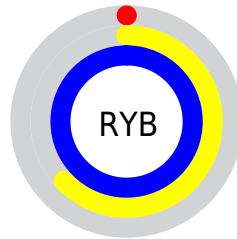
The Yxy color **73.7220, 0.2647, 0.4729** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.2827, 0.5377, 0.2736**, and the grayscale version is **38.6269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5726, 0.2644, 0.3906**, and **40.8143, 0.2729, 0.5023** is the 20% darker color. If you saturate the color by 10%, you get **73.7211, 0.2647, 0.4729**, and if you desaturate by 10%, it is **74.2895, 0.2620, 0.4573**.

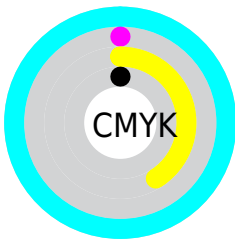
Distribution



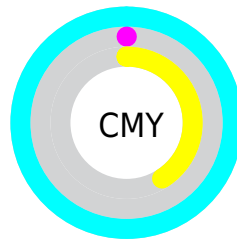
- Red (0%)
- Green (100%)
- Blue (59%)



- Red (0%)
- Yellow (63%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7220, 0.2647, 0.4729 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 73.7220, 0.2647, 0.4729 by changing the saturation by 10% instead.


 73.7220, 0.2647,
0.4729

 73.7220, 0.2647,
0.4729

473.5133, 0.2898,
0.4007


 54.5665, 0.2582,
0.4907


 124.5016, 0.2740,
0.4468

 39.0548, 0.2498,
0.5132


 156.8946, 0.2775,
0.4370


 26.8023, 0.2385,
0.5427


 194.4689, 0.2804,
0.4286

 17.4248, 0.2228,
0.5825

 237.6088, 0.2828,
0.4214

 10.5379, 0.1998,
0.6384

 286.6988, 0.2850,
0.4152

 5.7570, 0.1642,
0.7197


342.1233, 0.2868,

 2.6979, 0.0668,


0.4098


0.9332


404.2667, 0.2884,
0.4050

 0.9761, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 73.7220, 0.2647,
0.4729


 73.7220, 0.2647,
0.4729


 73.7211, 0.2647,
0.4729


 74.2895, 0.2620,
0.4573


 75.1658, 0.2611,
0.4413


 76.4367, 0.2623,
0.4250


 78.1546, 0.2655,
0.4088

 80.3639, 0.2705,
0.3930

 83.1033, 0.2771,
0.3781

 86.4074, 0.2850,
0.3641

 90.3080, 0.2937,
0.3512

 94.8343, 0.3031,
0.3395

Harmonies

Analogous

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



73.7220, 0.3542, 0.5110



73.7220, 0.2647, 0.4729



73.7220, 0.1934, 0.3695

Triad

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



73.7220, 0.2647, 0.4729



73.7220, 0.1851, 0.1884



73.7220, 0.4979, 0.3439

Complementary

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



73.7220, 0.2647, 0.4729



22.2827, 0.5377, 0.2736

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.



73.7220, 0.4387, 0.2807



73.7220, 0.2647, 0.4729



73.7220, 0.2477, 0.1959

Square

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



73.7220, 0.2647, 0.4729



73.7220, 0.1554, 0.2103



73.7220, 0.3405, 0.2284



73.7220, 0.4936, 0.4117

Rectangle

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



73.7220, 0.2647, 0.4729



73.7220, 0.1651, 0.2991



73.7220, 0.3405, 0.2284



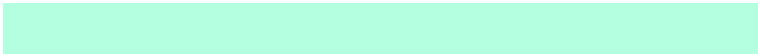
73.7220, 0.4849, 0.3221

Sweetspot

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



73.7223, 0.2647, 0.4729



86.3985, 0.2850, 0.3641



74.6019, 0.3247, 0.5804



18.1796, 0.2815, 0.3699



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.



73.7223, 0.2647, 0.4729



73.7211, 0.2647, 0.4729



65.9268, 0.2173, 0.3022



20.3474, 0.3035, 0.3390



38.5513, 0.2640, 0.4704



3.7753, 0.2590, 0.4526

Inverse Universe

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



22.2827, 0.5377, 0.2736



22.2805, 0.5377, 0.2736



21.8079, 0.6353, 0.3337



18.1111, 0.3229, 0.3192



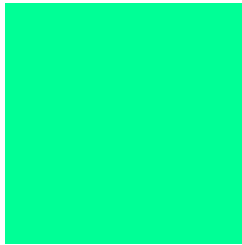
11.6700, 0.5335, 0.2713



1.1574, 0.5038, 0.2549

Previews

White Background



This preview shows how the Yxy color 73.7220, 0.2647, 0.4729 looks on a white background.

Color Contrast Check

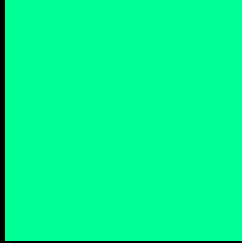
Large Text (above 18pt) WCAG AA × Fail

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 73.7220, 0.2647, 0.4729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

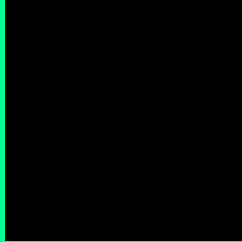
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.7220, 0.2647, 0.4729

Background



This preview shows how black text looks on a background with the Yxy color 73.7220, 0.2647, 0.4729.

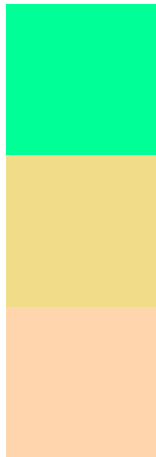


This preview shows how white text looks on a background with the Yxy color 73.7220, 0.2647, 0.4729.

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

73.7220, 0.2647, 0.4729

Protanopia

72.2198, 0.3853, 0.4175

Deuteranopia

71.8656, 0.3741, 0.3704



Tritanopia

72.8811, 0.2432, 0.3089

Trichromacy



Original Color

73.7220, 0.2647, 0.4729



Protanomaly

67.0031, 0.3140, 0.4461



Deuteranomaly

65.8848, 0.3070, 0.4091



Tritanomaly

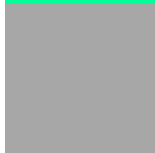
71.4605, 0.2455, 0.3634

Monochromacy



Original Color

73.7220, 0.2647, 0.4729



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

46.4842, 0.2728, 0.3866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7220, 0.2647, 0.4729 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 73.7220, 0.2647, 0.4729 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, 150) }
```

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

```
.border{ border-color:rgb(0, 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(0, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7220, 0.2647, 0.4729 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, 150) }
```

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

```
.background{ background-color: rgb(0, 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](#).

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