

Converting Colors

$Y_{xy}(74.0354, 0.2630, 0.4637)$

Have a look what the booklet for
Yxy(74.0354, 0.2630, 0.4637)
contains.

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Color

Yxy(74.0305, 0.2631, 0.4640)

Conversions

Conversions Part 1

Format	Color
Hex	10FF9C
RGB	16, 255, 156
RGB Percent	6%, 100%, 61%
CMY	0.9369, 0.0000, 0.3881
CMYK	0.94, 0.00, 0.39, 0.00
HSL	155°, 100%, 53%
HSV	155°, 94%, 100%
XYZ	41.9772, 74.0305, 43.5408
YIQ	172.2530, -110.6650, -81.4570

Conversions

Conversions Part 2

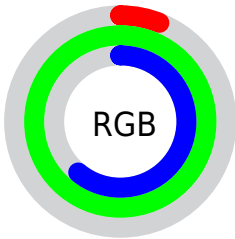
Format	Color
RYB	16, 167, 255
Decimal	1114012
CIELab	88.94, -71.55, 33.58
CIELCh	89, 79.033, 154.858
Yxy	74.0305, 0.2631, 0.4640
Android (android.graphics.Color)	4279304092 (0xFF10FF9C)
YUV	172.2530, -8.0127, -137.0339
Hunter-Lab	86.0410, -63.4861, 30.2252

Details

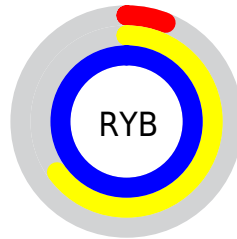
The Yxy color **74.0305, 0.2631, 0.4640** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **22.8729, 0.5195, 0.2669**, and the grayscale version is **41.4902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0747, 0.2628, 0.3827**, and **40.9320, 0.2700, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **73.7014, 0.2649, 0.4738**, and if you desaturate by 10%, it is **74.7788, 0.2614, 0.4480**.

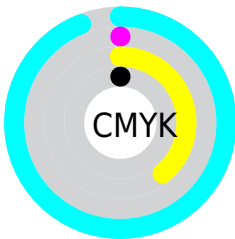
Distribution



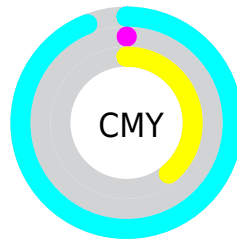
- Red (6%)
- Green (100%)
- Blue (61%)



- Red (6%)
- Yellow (65%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0305, 0.2631, 0.4640 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 74.0305, 0.2631, 0.4640 by changing the saturation by 10% instead.


 74.0305, 0.2631,
0.4640


 74.0305, 0.2631,
0.4640


474.5786, 0.2886,
0.3965

 54.8190, 0.2566,
0.4806


 124.9390, 0.2725,
0.4396


 39.2568, 0.2483,
0.5016


 157.4049, 0.2759,
0.4304

 26.9596, 0.2373,
0.5291


 195.0576, 0.2789,
0.4226

 17.5429, 0.2220,
0.5664

 238.2816, 0.2814,
0.4159

 10.6223, 0.1999,
0.6189

 287.4614, 0.2836,
0.4101

 5.8135, 0.1659,
0.6962


342.9812, 0.2855,

 2.7320, 0.0826,


0.4050


0.9174


405.2255, 0.2871,
0.4005

 0.9935, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 74.0305, 0.2631,
0.4640


 74.0305, 0.2631,
0.4640


 73.7014, 0.2649,
0.4738


 74.7788, 0.2614,
0.4480


 75.8973, 0.2618,
0.4317

 77.4450, 0.2642,
0.4153


 79.4688, 0.2686,
0.3992

 82.0091, 0.2747,
0.3838

 85.1021, 0.2821,
0.3694

 88.7805, 0.2905,
0.3560

 93.0744, 0.2996,
0.3438

 98.0119, 0.3091,
0.3328

Harmonies

Analogous

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



74.0305, 0.3500, 0.5049



74.0305, 0.2631, 0.4640



74.0305, 0.1947, 0.3637

Triad

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



74.0305, 0.2631, 0.4640



74.0305, 0.1906, 0.1918



74.0305, 0.4932, 0.3471

Complementary

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



74.0305, 0.2631, 0.4640



22.8729, 0.5195, 0.2669

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.



74.0305, 0.4382, 0.2848



74.0305, 0.2631, 0.4640



74.0305, 0.2532, 0.2002

Square

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



74.0305, 0.2631, 0.4640



74.0305, 0.1600, 0.2122



74.0305, 0.3441, 0.2330



74.0305, 0.4871, 0.4134

Rectangle

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



74.0305, 0.2631, 0.4640



74.0305, 0.1679, 0.2966



74.0305, 0.3441, 0.2330



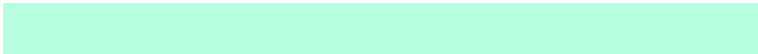
74.0305, 0.4814, 0.3257

Sweetspot

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



74.0323, 0.2631, 0.4640



87.1202, 0.2867, 0.3616



75.2461, 0.3283, 0.5744



18.3158, 0.2832, 0.3675



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.



74.0323, 0.2631, 0.4640



73.7014, 0.2649, 0.4738



66.8001, 0.2184, 0.3040



20.3467, 0.3036, 0.3390



38.5410, 0.2642, 0.4712



3.7744, 0.2593, 0.4533

Inverse Universe

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



22.8729, 0.5195, 0.2669



22.2931, 0.5367, 0.2730



22.5599, 0.6248, 0.3359



18.1119, 0.3229, 0.3192



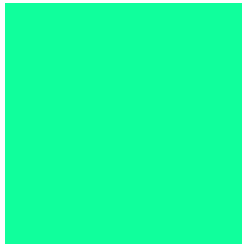
11.6767, 0.5325, 0.2707



1.1581, 0.5029, 0.2544

Previews

White Background



This preview shows how the Yxy color 74.0305, 0.2631, 0.4640 looks on a white background.

Color Contrast Check

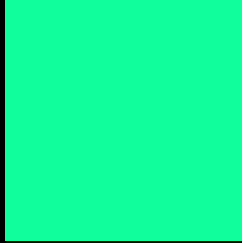
Large Text (above 18pt) WCAG AA × Fail

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 74.0305, 0.2631, 0.4640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

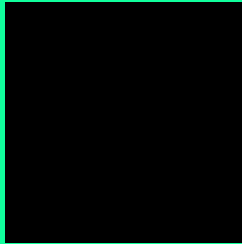
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.0305, 0.2631, 0.4640

Background



This preview shows how black text looks on a background with the Yxy color 74.0305, 0.2631, 0.4640.

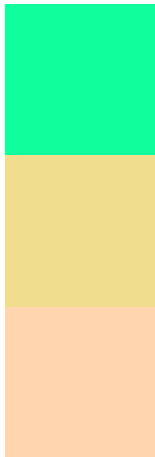


This preview shows how white text looks on a background with the Yxy color 74.0305, 0.2631, 0.4640.

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

74.0305, 0.2631, 0.4640

Protanopia

72.3667, 0.3820, 0.4126

Deuteranopia

71.9831, 0.3718, 0.3673



Tritanopia

73.6201, 0.2442, 0.3102

Trichromacy



Original Color

74.0305, 0.2631, 0.4640



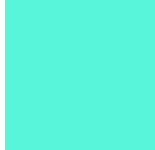
Protanomaly

67.7553, 0.3151, 0.4383



Deuteranomaly

66.6762, 0.3086, 0.4030



Tritanomaly

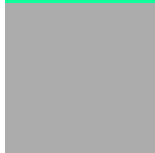
72.4940, 0.2469, 0.3618

Monochromacy



Original Color

74.0305, 0.2631, 0.4640



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

48.6391, 0.2755, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0305, 0.2631, 0.4640 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(16, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(16, 255, 156)  
}
```

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(16, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 255, 156) }
```

Border

The CSS property to change the border of an element to Yxy 74.0305, 0.2631, 0.4640 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(16, 255, 156) }
```

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

```
.border{ border-color:rgb(16, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(16, 255, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(16, 255, 156); box-shadow:4px 4px 4px 4px rgb(16, 255, 156) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0305, 0.2631, 0.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 255, 156) }
```

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

```
.background{ background-color: rgb(16, 255,  
156) }
```

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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