

Converting Colors

$Y_{xy}(74.7996, 0.2529, 0.4302)$

Have a look what the booklet for
Yxy(74.7996, 0.2529, 0.4302)
contains.

Yxy(74.8217, 0.2527, 0.4297)	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(74.8217, 0.2527, 0.4297)

Conversions

Conversions Part 1

Format	Color
Hex	00FFB4
RGB	0, 255, 180
RGB Percent	0%, 100%, 71%
CMY	0.9998, 0.0000, 0.2941
CMYK	1.00, 0.00, 0.29, 0.00
HSL	162°, 100%, 50%
HSV	162°, 100%, 100%
XYZ	44.0015, 74.8217, 55.3022
YIQ	170.2050, -127.9050, -77.3850

Conversions

Conversions Part 2

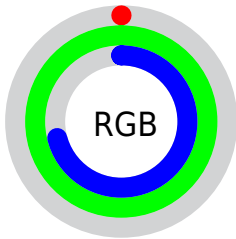
Format	Color
RYB	0, 149, 255
Decimal	65460
CIELab	89.31, -67.13, 22.00
CIELCh	89, 70.638, 161.857
Yxy	74.8217, 0.2527, 0.4297
Android (android.graphics.Color)	4278255540 (0xFF00FFB4)
YUV	170.2050, 4.8289, -149.2698
Hunter-Lab	86.4995, -60.5729, 22.6435

Details

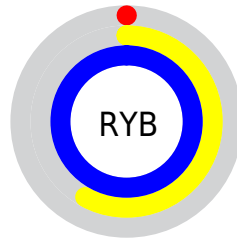
The Yxy color **74.8217, 0.2527, 0.4297** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **21.7699, 0.5831, 0.2986**, and the grayscale version is **40.3375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2891, 0.2511, 0.3513**, and **41.4648, 0.2584, 0.4503** is the 20% darker color. If you saturate the color by 10%, you get **74.8147, 0.2527, 0.4297**, and if you desaturate by 10%, it is **75.3432, 0.2511, 0.4186**.

Distribution



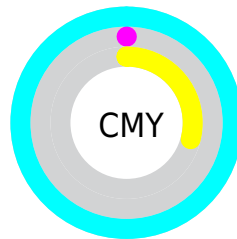
- Red (0%)
- Green (100%)
- Blue (71%)



- Red (0%)
- Yellow (58%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8217, 0.2527, 0.4297 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 74.8217, 0.2527, 0.4297 by changing the saturation by 10% instead.

 74.8217, 0.2527,
0.4297

 74.8217, 0.2527,
0.4297


477.3045, 0.2817,
0.3802

 55.4668, 0.2458,
0.4417

 126.0599, 0.2630,
0.4120

 39.7756, 0.2372,
0.4568


 158.7121, 0.2669,
0.4053


 27.3636, 0.2261,
0.4766


 196.5655, 0.2703,
0.3995

 17.8465, 0.2113,
0.5033

 240.0045, 0.2732,
0.3946

 10.8398, 0.1907,
0.5410

 289.4135, 0.2757,
0.3903

 5.9592, 0.1606,
0.5979

345.1769, 0.2779,

 2.8203, 0.0982,

0.3865

0.7045

407.6791, 0.2799,
0.3832

■ 1.0387, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.8217, 0.2527,
0.4297

■ 74.8217, 0.2527,
0.4297


■ 74.8147, 0.2527,
0.4297

■ 75.3432, 0.2511,
0.4186


■ 76.1655, 0.2512,
0.4073

■ 77.3675, 0.2534,
0.3960


■ 79.0014, 0.2575,
0.3848

 81.1109, 0.2636,
0.3739

 83.7344, 0.2713,
0.3635

 86.9060, 0.2804,
0.3538

 90.6570, 0.2905,
0.3447

 95.0165, 0.3014,
0.3365

Harmonies

Analogous

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



74.8217, 0.3298, 0.4821



74.8217, 0.2527, 0.4297



74.8217, 0.1962, 0.3389

Triad

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



74.8217, 0.2527, 0.4297



74.8217, 0.2127, 0.2036



74.8217, 0.4781, 0.3620

Complementary

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



74.8217, 0.2527, 0.4297



21.7699, 0.5831, 0.2986

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.



74.8217, 0.4404, 0.3028



74.8217, 0.2527, 0.4297



74.8217, 0.2770, 0.2167

Square

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



74.8217, 0.2527, 0.4297



74.8217, 0.1774, 0.2166



74.8217, 0.3619, 0.2518



74.8217, 0.4626, 0.4223

Rectangle

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



74.8217, 0.2527, 0.4297



74.8217, 0.1761, 0.2835



74.8217, 0.3619, 0.2518



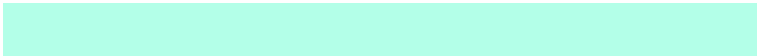
74.8217, 0.4715, 0.3418

Sweetspot

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



74.8157, 0.2527, 0.4297



86.8986, 0.2804, 0.3538



73.0787, 0.3130, 0.5897



18.2990, 0.2764, 0.3578



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

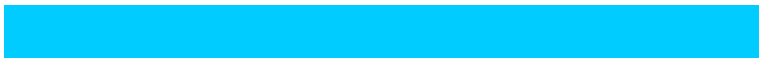
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8157, 0.2527, 0.4297



74.8147, 0.2527, 0.4297



50.4112, 0.2062, 0.2621



20.3850, 0.3019, 0.3361



39.1197, 0.2522, 0.4279



3.8281, 0.2487, 0.4151

Inverse Universe

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



21.7699, 0.5831, 0.2986



21.7682, 0.5831, 0.2986



23.6316, 0.6204, 0.3456



18.0750, 0.3248, 0.3220



11.3969, 0.5789, 0.2963



1.1278, 0.5469, 0.2786

Previews

White Background



This preview shows how the Yxy color 74.8217, 0.2527, 0.4297 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 74.8217, 0.2527, 0.4297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

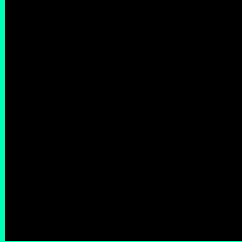
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.8217, 0.2527, 0.4297

Background



This preview shows how black text looks on a background with the Yxy color 74.8217, 0.2527, 0.4297.

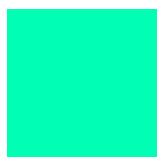


This preview shows how white text looks on a background with the Yxy color 74.8217, 0.2527, 0.4297.

Color Blindness Simulation

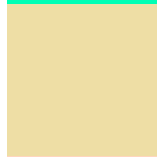
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



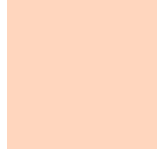
Original Color

74.8153, 0.2527, 0.4297



Protanopia

73.1363, 0.3637, 0.3902



Deuteranopia

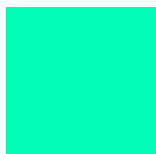
73.0708, 0.3611, 0.3538



Tritanopia

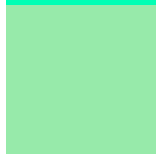
74.0213, 0.2463, 0.3103

Trichromacy



Original Color

74.8153, 0.2527, 0.4297



Protanomaly

68.3272, 0.2972, 0.4107



Deuteranomaly

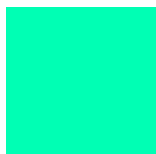
67.2652, 0.2946, 0.3827



Tritanomaly

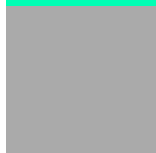
72.8375, 0.2423, 0.3501

Monochromacy



Original Color

74.8153, 0.2527, 0.4297



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

48.0174, 0.2666, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8217, 0.2527, 0.4297 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 180) }
```

Border

The CSS property to change the border of an element to Yxy 74.8217, 0.2527, 0.4297 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, 180) }
```

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

```
.border{ border-color:rgb(0, 255, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8217, 0.2527, 0.4297 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, 180) }
```

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

```
.background{ background-color: rgb(0, 255,  
180) }
```

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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