

Converting Colors

$Y_{xy}(73.1146, 0.2528, 0.4301)$

Have a look what the booklet for
Yxy(73.1146, 0.2528, 0.4301)
contains.

Yxy(72.8352, 0.2526, 0.4294)	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(72.8352, 0.2526, 0.4294)

Conversions

Conversions Part 1

Format	Color
Hex	00FCB2
RGB	0, 252, 178
RGB Percent	0%, 99%, 70%
CMY	1.0000, 0.0117, 0.3018
CMYK	1.00, 0.00, 0.29, 0.01
HSL	162°, 100%, 49%
HSV	162°, 100%, 99%
XYZ	42.8462, 72.8352, 53.9394
YIQ	168.2160, -126.4380, -76.4380

Conversions

Conversions Part 2

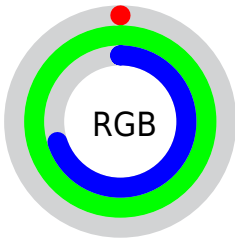
Format	Color
RYB	0, 148, 252
Decimal	64690
CIELab	88.37, -66.49, 21.70
CIELCh	88, 69.938, 161.928
Yxy	72.8352, 0.2526, 0.4294
Android (android.graphics.Color)	4278254770 (0xFF00FCB2)
YUV	168.2160, 4.8235, -147.5254
Hunter-Lab	85.3435, -59.7363, 22.2676

Details

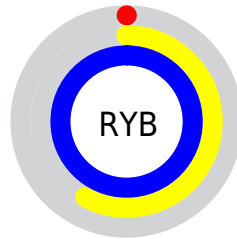
The Yxy color **72.8352, 0.2526, 0.4294** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **21.1904, 0.5832, 0.2987**, and the grayscale version is **39.2954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1054, 0.2516, 0.3538**, and **40.0642, 0.2584, 0.4503** is the 20% darker color. If you saturate the color by 10%, you get **72.8400, 0.2526, 0.4294**, and if you desaturate by 10%, it is **73.3545, 0.2510, 0.4183**.

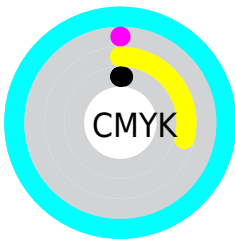
Distribution



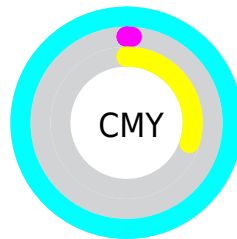
- Red (0%)
- Green (99%)
- Blue (70%)



- Red (0%)
- Yellow (58%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8352, 0.2526, 0.4294 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 72.8352, 0.2526, 0.4294 by changing the saturation by 10% instead.

 72.8352, 0.2526,
0.4294

 72.8352, 0.2526,
0.4294


470.4434, 0.2817,
0.3799

 53.8412, 0.2456,
0.4415

 123.2432, 0.2630,
0.4116


 38.4747, 0.2369,
0.4568


 155.4261, 0.2669,
0.4049


 26.3513, 0.2256,
0.4767


 192.7740, 0.2703,
0.3991

 17.0867, 0.2105,
0.5038

 235.6714, 0.2732,
0.3942

 10.2963, 0.1895,
0.5424

 284.5026, 0.2758,
0.3899

 5.5959, 0.1586,
0.6009

339.6521, 0.2780,

 2.6009, 0.0859,

0.3862

0.7209

401.5042, 0.2800,
0.3828

■ 0.9271, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.8352, 0.2526,
0.4294

■ 72.8352, 0.2526,
0.4294

■ 72.8400, 0.2526,
0.4294


■ 73.3545, 0.2510,
0.4183


■ 74.1552, 0.2512,
0.4071


■ 75.3251, 0.2533,
0.3958


■ 76.9150, 0.2575,
0.3846

 78.9673, 0.2636,
0.3738

 81.5192, 0.2713,
0.3634

 84.6041, 0.2804,
0.3537

 88.2523, 0.2905,
0.3447

 92.4919, 0.3014,
0.3365

Harmonies

Analogous

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



72.8352, 0.3296, 0.4819



72.8352, 0.2526, 0.4294



72.8352, 0.1962, 0.3387

Triad

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



72.8352, 0.2526, 0.4294



72.8352, 0.2129, 0.2037



72.8352, 0.4779, 0.3621

Complementary

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



72.8352, 0.2526, 0.4294



21.1904, 0.5832, 0.2987

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.



72.8352, 0.4404, 0.3030



72.8352, 0.2526, 0.4294



72.8352, 0.2773, 0.2169

Square

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



72.8352, 0.2526, 0.4294



72.8352, 0.1775, 0.2166



72.8352, 0.3621, 0.2519



72.8352, 0.4624, 0.4224

Rectangle

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



72.8352, 0.2526, 0.4294



72.8352, 0.1761, 0.2833



72.8352, 0.3621, 0.2519



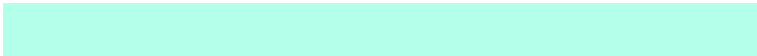
72.8352, 0.4714, 0.3419

Sweetspot

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



72.8400, 0.2526, 0.4294



86.9015, 0.2804, 0.3537



71.1443, 0.3130, 0.5897



18.2997, 0.2764, 0.3577



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

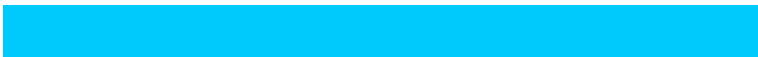
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8400, 0.2526, 0.4294



74.8216, 0.2526, 0.4295



49.0841, 0.2062, 0.2622



19.5167, 0.3020, 0.3361



37.9684, 0.2521, 0.4275



3.5350, 0.2484, 0.4142

Inverse Universe

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



21.1904, 0.5832, 0.2987



21.7659, 0.5834, 0.2987



23.0121, 0.6204, 0.3456



17.3090, 0.3248, 0.3221



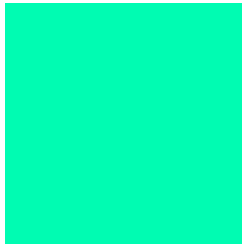
11.0600, 0.5789, 0.2963



1.0420, 0.5453, 0.2777

Previews

White Background



This preview shows how the Yxy color 72.8352, 0.2526, 0.4294 looks on a white background.

Color Contrast Check

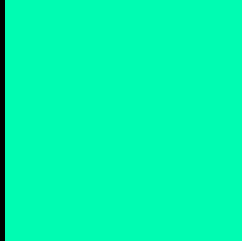
Large Text (above 18pt) WCAG AA × Fail

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 72.8352, 0.2526, 0.4294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

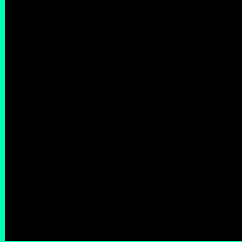
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8352, 0.2526, 0.4294

Background



This preview shows how black text looks on a background with the Yxy color 72.8352, 0.2526, 0.4294.



This preview shows how white text looks on a background with the Yxy color 72.8352, 0.2526, 0.4294.

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

72.8352, 0.2526, 0.4294

Protanopia

71.1402, 0.3645, 0.3897

Deuteranopia

70.8718, 0.3618, 0.3541



Tritanopia

72.2910, 0.2402, 0.3088

Trichromacy



Original Color

72.8352, 0.2526, 0.4294



Protanomaly

66.4630, 0.2976, 0.4102



Deuteranomaly

65.3270, 0.2945, 0.3821



Tritanomaly

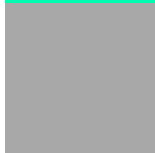
71.1837, 0.2398, 0.3491

Monochromacy



Original Color

72.8352, 0.2526, 0.4294



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

46.9512, 0.2668, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8352, 0.2526, 0.4294 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, 252, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 178)  
}
```

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, 252, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 178) }
```

Border

The CSS property to change the border of an element to Yxy 72.8352, 0.2526, 0.4294 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, 252, 178) }
```

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

```
.border{ border-color:rgb(0, 252, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8352, 0.2526, 0.4294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 178) }
```

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

```
.background{ background-color: rgb(0, 252,  
178) }
```

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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