

Converting Colors

$Y_{xy}(75.0603, 0.2503, 0.4212)$

Have a look what the booklet for
Yxy(75.0603, 0.2503, 0.4212)
contains.

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Color

Yxy(75.0652, 0.2503, 0.4211)

Conversions

Conversions Part 1

Format	Color
Hex	00FFBA
RGB	0, 255, 186
RGB Percent	0%, 100%, 73%
CMY	1.0000, 0.0000, 0.2707
CMYK	1.00, 0.00, 0.27, 0.00
HSL	164°, 100%, 50%
HSV	164°, 100%, 100%
XYZ	44.6184, 75.0652, 58.5762
YIQ	170.8890, -129.8310, -75.5190

Conversions

Conversions Part 2

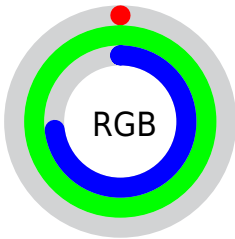
Format	Color
RYB	0, 147, 255
Decimal	65466
CIELab	89.42, -65.82, 19.10
CIELCh	89, 68.535, 163.815
Yxy	75.0652, 0.2503, 0.4211
Android (android.graphics.Color)	4278255546 (0xFF00FFBA)
YUV	170.8890, 7.4497, -149.8697
Hunter-Lab	86.6402, -59.6954, 20.5630

Details

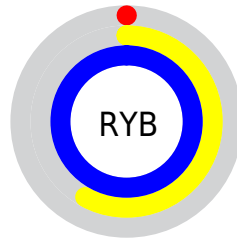
The Yxy color **75.0652, 0.2503, 0.4211** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **21.6900, 0.5910, 0.3030**, and the grayscale version is **40.6750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6438, 0.2486, 0.3441**, and **41.6260, 0.2553, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **75.0641, 0.2503, 0.4211**, and if you desaturate by 10%, it is **75.5778, 0.2489, 0.4109**.

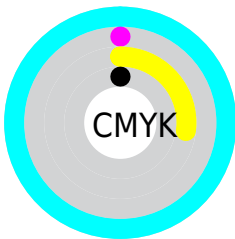
Distribution



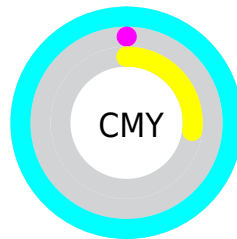
- Red (0%)
- Green (100%)
- Blue (73%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0652, 0.2503, 0.4211 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 75.0652, 0.2503, 0.4211 by changing the saturation by 10% instead.


 75.0652, 0.2503,
0.4211


 75.0652, 0.2503,
0.4211


478.1416, 0.2801,
0.3761


 55.6663, 0.2433,
0.4319


 126.4047, 0.2608,
0.4050


 39.9354, 0.2346,
0.4456


 159.1140, 0.2648,
0.3989


 27.4882, 0.2234,
0.4634


 197.0290, 0.2683,
0.3937

 17.9402, 0.2087,
0.4873

 240.5339, 0.2713,
0.3892

 10.9071, 0.1883,
0.5211

 290.0133, 0.2739,
0.3853

 6.0044, 0.1590,
0.5719


345.8514, 0.2762,

 2.8477, 0.1019,


0.3819


0.6636

408.4327, 0.2783,
0.3789

 1.0528, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.0652, 0.2503,
0.4211

 75.0652, 0.2503,
0.4211


 75.0641, 0.2503,
0.4211


 75.5778, 0.2489,
0.4109


 76.3836, 0.2493,
0.4006


 77.5665, 0.2516,
0.3903

 79.1786, 0.2560,
0.3801

 81.2637, 0.2622,
0.3702

 83.8599, 0.2702,
0.3607

 87.0016, 0.2795,
0.3517

 90.7199, 0.2899,
0.3435

 95.0437, 0.3011,
0.3359

Harmonies

Analogous

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



75.0652, 0.3247, 0.4756



75.0652, 0.2503, 0.4211



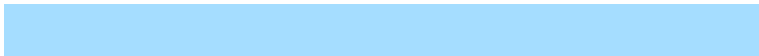
75.0652, 0.1969, 0.3332

Triad

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



75.0652, 0.2503, 0.4211



75.0652, 0.2187, 0.2069



75.0652, 0.4738, 0.3656

Complementary

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



75.0652, 0.2503, 0.4211



21.6900, 0.5910, 0.3030

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.



75.0652, 0.4403, 0.3074



75.0652, 0.2503, 0.4211



75.0652, 0.2832, 0.2212

Square

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



75.0652, 0.2503, 0.4211



75.0652, 0.1822, 0.2180



75.0652, 0.3661, 0.2567



75.0652, 0.4561, 0.4241

Rectangle

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



75.0652, 0.2503, 0.4211



75.0652, 0.1785, 0.2806



75.0652, 0.3661, 0.2567



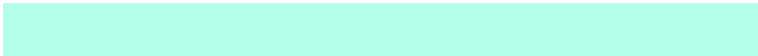
75.0652, 0.4684, 0.3458

Sweetspot

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



75.0641, 0.2503, 0.4211



87.0016, 0.2795, 0.3517



72.9073, 0.3116, 0.5908



18.3237, 0.2754, 0.3554



0.0000, 0.0000, 0.0000



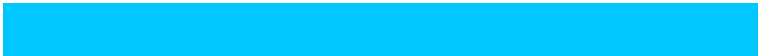
21.4041, 0.3127, 0.3290

Same Dimension

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



75.0641, 0.2503, 0.4211



48.4128, 0.2045, 0.2562



20.3926, 0.3016, 0.3355



39.2489, 0.2498, 0.4194



3.8398, 0.2466, 0.4078

Inverse Universe

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



21.6900, 0.5910, 0.3030



24.0162, 0.6174, 0.3479



18.0678, 0.3251, 0.3226



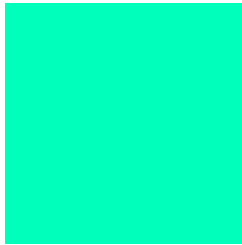
11.3547, 0.5869, 0.3007



1.1229, 0.5551, 0.2831

Previews

White Background



This preview shows how the Yxy color 75.0652, 0.2503, 0.4211 looks on a white background.

Color Contrast Check

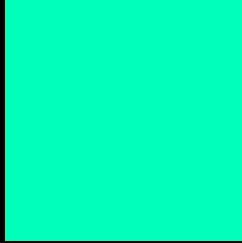
Large Text (above 18pt) WCAG AA × Fail

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 75.0652, 0.2503, 0.4211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

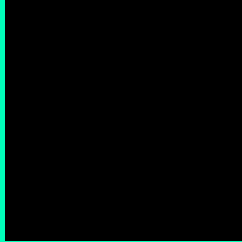
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.0652, 0.2503, 0.4211

Background



This preview shows how black text looks on a background with the Yxy color 75.0652, 0.2503, 0.4211.

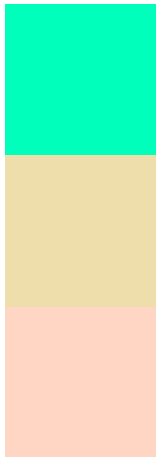


This preview shows how white text looks on a background with the Yxy color 75.0652, 0.2503, 0.4211.

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

75.0652, 0.2503, 0.4211

Protanopia

73.3600, 0.3596, 0.3838

Deuteranopia

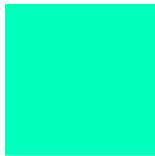
73.1041, 0.3566, 0.3487



Tritanopia

74.6911, 0.2469, 0.3115

Trichromacy



Original Color

75.0652, 0.2503, 0.4211



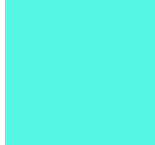
Protanomaly

68.5595, 0.2938, 0.4027



Deuteranomaly

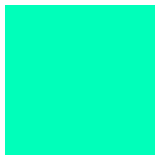
67.5258, 0.2911, 0.3749



Tritanomaly

72.9964, 0.2417, 0.3475

Monochromacy



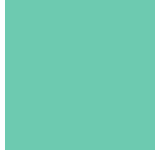
Original Color

75.0652, 0.2503, 0.4211



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

48.6269, 0.2662, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0652, 0.2503, 0.4211 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 186) }
```

Border

The CSS property to change the border of an element to Yxy 75.0652, 0.2503, 0.4211 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, 186) }
```

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

```
.border{ border-color:rgb(0, 255, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
186) }
```

Background

The CSS property to change the background color of an element to Yxy 75.0652, 0.2503, 0.4211 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, 186) }
```

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

```
.background{ background-color: rgb(0, 255,  
186) }
```

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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