

Converting Colors

$Y_{xy}(100.0000, 0.2356, 0.4402)$

Have a look what the booklet for
Yxy(100.0000, 0.2356, 0.4402)
contains.

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Color

Yxy(75.8796, 0.2432, 0.3955)

Conversions

Conversions Part 1

Format	Color
Hex	00FFCC
RGB	0, 255, 204
RGB Percent	0%, 100%, 80%
CMY	0.9998, 0.0000, 0.2000
CMYK	1.00, 0.00, 0.20, 0.00
HSL	168°, 100%, 50%
HSV	168°, 100%, 100%
XYZ	46.6597, 75.8796, 69.3181
YIQ	172.9410, -135.6090, -69.9210

Conversions

Conversions Part 2

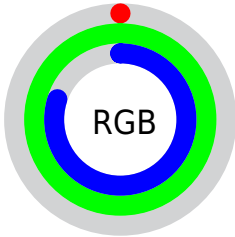
Format	Color
RYB	0, 142, 255
Decimal	65484
CIELab	89.80, -61.62, 10.37
CIELCh	90, 62.484, 170.449
Yxy	75.8796, 0.2432, 0.3955
Android (android.graphics.Color)	4278255564 (0xFF00FFCC)
YUV	172.9410, 15.3121, -151.6693
Hunter-Lab	87.1089, -56.8274, 13.7954

Details

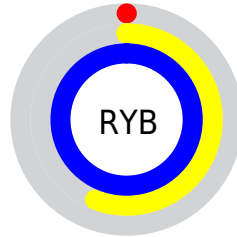
The Yxy color **75.8796, 0.2432, 0.3955** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.5003, 0.6115, 0.3142**, and the grayscale version is **41.7373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **42.1345, 0.2467, 0.4081** is the 20% darker color. If you saturate the color by 10%, you get **75.8796, 0.2432, 0.3955**, and if you desaturate by 10%, it is **76.3425, 0.2425, 0.3882**.

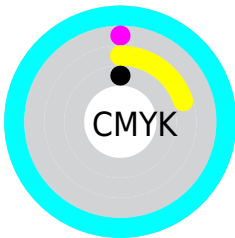
Distribution



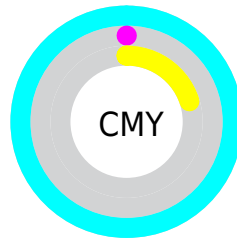
- Red (0%)
- Green (100%)
- Blue (80%)



- Red (0%)
- Yellow (56%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8796, 0.2432, 0.3955 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 75.8796, 0.2432, 0.3955 by changing the saturation by 10% instead.


 75.8796, 0.2432,
0.3955

 75.8796, 0.2432,
0.3955


480.9354, 0.2754,
0.3638

 56.3338, 0.2359,
0.4029


 127.5567, 0.2544,
0.3843


 40.4706, 0.2268,
0.4122


 160.4568, 0.2587,
0.3800


 27.9057, 0.2154,
0.4242


 198.5771, 0.2625,
0.3764

 18.2546, 0.2006,
0.4400

 242.3020, 0.2657,
0.3732

 11.1329, 0.1807,
0.4620

 292.0158, 0.2686,
0.3704

 6.1563, 0.1529,
0.4943

348.1031, 0.2712,

 2.9404, 0.1080,

0.3679

0.5482

410.9482, 0.2734,
0.3658

■ 1.1007, 0.0000,
0.7067

■ 0.0000, 0.0000,
0.0000

■ 75.8796, 0.2432,
0.3955

■ 76.3425, 0.2425,
0.3882

■ 77.0907, 0.2435,
0.3808

■ 78.2097, 0.2464,
0.3734


■ 79.7515, 0.2514,
0.3661

 81.7596, 0.2582,
0.3590

 84.2723, 0.2668,
0.3521

 87.3236, 0.2768,
0.3457

 90.9447, 0.2880,
0.3396

 95.1643, 0.3001,
0.3340

Harmonies

Analogous

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



75.8796, 0.3090, 0.4545



75.8796, 0.2432, 0.3955



75.8796, 0.1993, 0.3167

Triad

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



75.8796, 0.2432, 0.3955



75.8796, 0.2376, 0.2172



75.8796, 0.4600, 0.3766

Complementary

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



75.8796, 0.2432, 0.3955



21.5003, 0.6115, 0.3142

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.



75.8796, 0.4393, 0.3217



75.8796, 0.2432, 0.3955



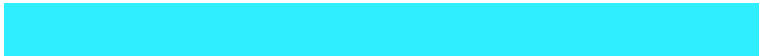
75.8796, 0.3021, 0.2351

Square

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



75.8796, 0.2432, 0.3955



75.8796, 0.1974, 0.2225



75.8796, 0.3782, 0.2721



75.8796, 0.4358, 0.4286

Rectangle

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



75.8796, 0.2432, 0.3955



75.8796, 0.1861, 0.2724



75.8796, 0.3782, 0.2721



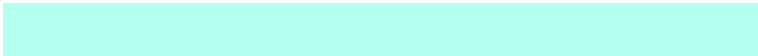
75.8796, 0.4584, 0.3581

Sweetspot

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



75.8804, 0.2432, 0.3955



87.3177, 0.2768, 0.3457



72.3404, 0.3069, 0.5945



18.3998, 0.2724, 0.3483



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.



75.8804, 0.2432, 0.3955



75.8796, 0.2432, 0.3955



40.9895, 0.1978, 0.2321



20.4155, 0.3007, 0.3338



39.6706, 0.2429, 0.3943



3.8777, 0.2405, 0.3859

Inverse Universe

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



21.5003, 0.6115, 0.3142



21.4990, 0.6115, 0.3143



25.9314, 0.6034, 0.3591



18.0465, 0.3263, 0.3243



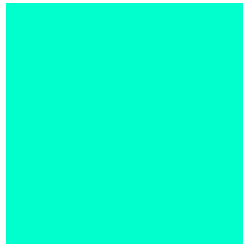
11.2504, 0.6080, 0.3123



1.1100, 0.5782, 0.2959

Previews

White Background



This preview shows how the Yxy color 75.8796, 0.2432, 0.3955 looks on a white background.

Color Contrast Check

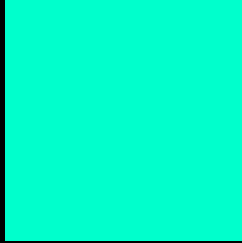
Large Text (above 18pt) WCAG AA × Fail

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 75.8796, 0.2432, 0.3955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

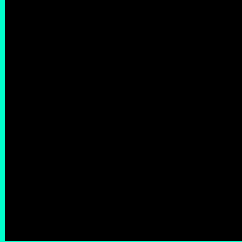
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

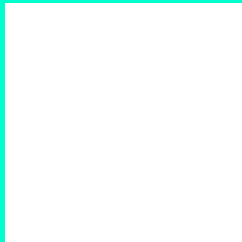
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8796, 0.2432, 0.3955

Background



This preview shows how black text looks on a background with the Yxy color 75.8796, 0.2432, 0.3955.

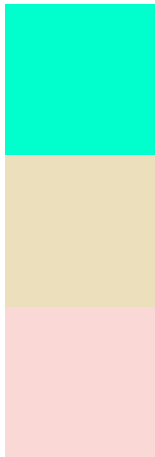


This preview shows how white text looks on a background with the Yxy color 75.8796, 0.2432, 0.3955.

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

75.8796, 0.2432, 0.3955

Protanopia

74.2391, 0.3459, 0.3666

Deuteranopia

74.0556, 0.3392, 0.3322



Tritanopia

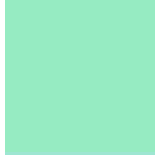
75.1156, 0.2490, 0.3116

Trichromacy



Original Color

75.8796, 0.2432, 0.3955



Protanomaly

69.7957, 0.2834, 0.3802



Deuteranomaly

68.5159, 0.2787, 0.3534



Tritanomaly

73.4848, 0.2401, 0.3399

Monochromacy



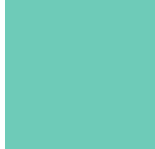
Original Color

75.8796, 0.2432, 0.3955



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

49.4876, 0.2623, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8796, 0.2432, 0.3955 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 75.8796, 0.2432, 0.3955 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, 204) }
```

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

```
.border{ border-color:rgb(0, 255, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8796, 0.2432, 0.3955 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, 204) }
```

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

```
.background{ background-color: rgb(0, 255,  
204) }
```

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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