

Converting Colors

$Y_{xy}(131.7243, 0.2669, 0.4742)$

Have a look what the booklet for
Yxy(131.7243, 0.2669, 0.4742)
contains.

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Color

Yxy(75.7823, 0.2502, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	26FFC1
RGB	38, 255, 193
RGB Percent	15%, 100%, 76%
CMY	0.8501, 0.0000, 0.2432
CMYK	0.85, 0.00, 0.24, 0.00
HSL	163°, 100%, 57%
HSV	163°, 85%, 100%
XYZ	46.1894, 75.7823, 62.6381
YIQ	183.0490, -109.4300, -65.2860

Conversions

Conversions Part 2

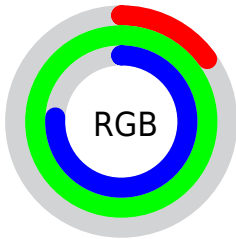
Format	Color
R_{YB}	38, 165, 255
Decimal	2555841
CIE _{Lab}	89.76, -62.75, 16.00
CIE _{LCh}	90, 64.762, 165.692
Yxy	75.7823, 0.2502, 0.4105
Android (android.graphics.Color)	4280745921 (0xFF26FFC1)
YUV	183.0490, 4.9058, -127.2080
Hunter-Lab	87.0530, -57.6327, 18.2756

Details

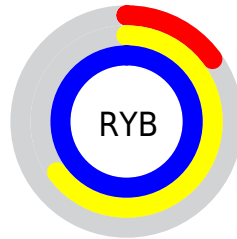
The Yxy color **75.7823, 0.2502, 0.4105** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.5841, 0.5385, 0.2870**, and the grayscale version is **47.4352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7821, 0.2484, 0.3346**, and **41.7966, 0.2523, 0.4282** is the 20% darker color. If you saturate the color by 10%, you get **75.1350, 0.2510, 0.4214**, and if you desaturate by 10%, it is **76.7831, 0.2514, 0.3995**.

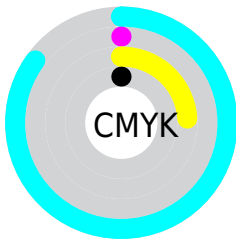
Distribution



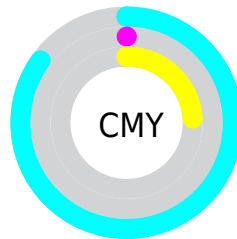
- Red (15%)
- Green (100%)
- Blue (76%)



- Red (15%)
- Yellow (65%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7823, 0.2502, 0.4105 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 75.7823, 0.2502, 0.4105 by changing the saturation by 10% instead.


 75.7823, 0.2502,
0.4105

 75.7823, 0.2502,
0.4105

480.6021, 0.2797,
0.3711

 56.2540, 0.2434,
0.4199


 127.4191, 0.2605,
0.3965


 40.4066, 0.2348,
0.4318


 160.2965, 0.2645,
0.3911

 27.8557, 0.2240,
0.4471


 198.3923, 0.2679,
0.3866

 18.2169, 0.2098,
0.4676

 242.0909, 0.2709,
0.3826

 11.1058, 0.1904,
0.4965

291.7769, 0.2735,
0.3792

 6.1381, 0.1626,
0.5397


347.8344, 0.2758,


 2.9292, 0.1147,

0.3761

0.6140


410.6481, 0.2779,
0.3735


 1.0949, 0.0000,
0.9502


 0.0000, 0.0000,
0.0000


 75.7823, 0.2502,
0.4105


 75.7823, 0.2502,
0.4105


 75.1350, 0.2510,
0.4214


 76.7831, 0.2514,
0.3995

 74.8992, 0.2519,
0.4267


 78.1870, 0.2546,
0.3886


 80.0444, 0.2598,
0.3779


 82.3961, 0.2668,
0.3675

 85.2781, 0.2753,
0.3577

 88.7233, 0.2851,
0.3486

 92.7615, 0.2957,
0.3402

 97.4207, 0.3069,
0.3325

 99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



75.7823, 0.3202, 0.4647



75.7823, 0.2502, 0.4105



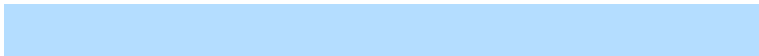
75.7823, 0.2008, 0.3284

Triad

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



75.7823, 0.2502, 0.4105



75.7823, 0.2267, 0.2130



75.7823, 0.4651, 0.3684

Complementary

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



75.7823, 0.2502, 0.4105



23.5841, 0.5385, 0.2870

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.



75.7823, 0.4363, 0.3125



75.7823, 0.2502, 0.4105



75.7823, 0.2896, 0.2279

Square

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



75.7823, 0.2502, 0.4105



75.7823, 0.1898, 0.2223



75.7823, 0.3682, 0.2631



75.7823, 0.4464, 0.4235

Rectangle

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



75.7823, 0.2502, 0.4105



75.7823, 0.1841, 0.2798



75.7823, 0.3682, 0.2631



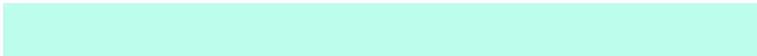
75.7823, 0.4609, 0.3495

Sweetspot

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



75.7853, 0.2502, 0.4105



88.3587, 0.2841, 0.3495



74.5589, 0.3202, 0.5720



18.6472, 0.2806, 0.3526



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.



75.7853, 0.2502, 0.4105



74.8999, 0.2519, 0.4267



54.5441, 0.2118, 0.2730



20.3877, 0.3018, 0.3359



39.1639, 0.2514, 0.4249



3.8321, 0.2479, 0.4126

Inverse Universe

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



23.5841, 0.5385, 0.2870



21.7402, 0.5859, 0.3001



27.3711, 0.5809, 0.3567



18.0725, 0.3249, 0.3222



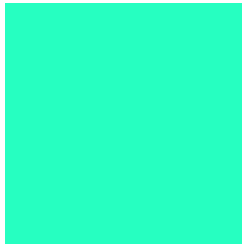
11.3818, 0.5817, 0.2978



1.1261, 0.5498, 0.2802

Previews

White Background



This preview shows how the Yxy color 75.7823, 0.2502, 0.4105 looks on a white background.

Color Contrast Check

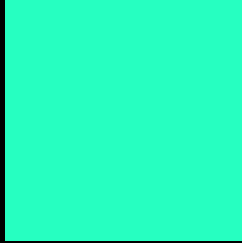
Large Text (above 18pt) WCAG AA × Fail

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 75.7823, 0.2502, 0.4105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

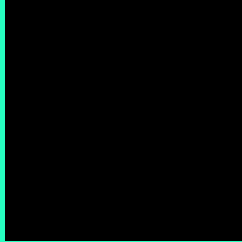
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

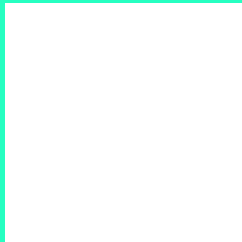
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7823, 0.2502, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 75.7823, 0.2502, 0.4105.



This preview shows how white text looks on a background with the Yxy color 75.7823, 0.2502, 0.4105.

Color Blindness Simulation

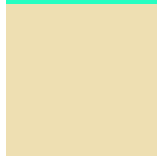
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.7823, 0.2502, 0.4105



Protanopia

74.1668, 0.3544, 0.3772



Deuteranopia

73.7478, 0.3504, 0.3425



Tritanopia

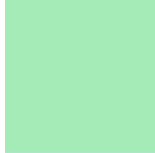
75.2029, 0.2494, 0.3116

Trichromacy



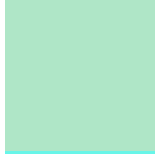
Original Color

75.7823, 0.2502, 0.4105



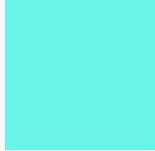
Protanomaly

70.8349, 0.2983, 0.3930



Deuteranomaly

69.8311, 0.2952, 0.3663



Tritanomaly

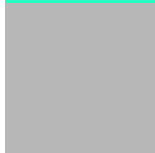
74.0741, 0.2463, 0.3448

Monochromacy



Original Color

75.7823, 0.2502, 0.4105



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

53.9346, 0.2729, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7823, 0.2502, 0.4105 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(38, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 193)  
}
```

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(38, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 193) }
```

Border

The CSS property to change the border of an element to Yxy 75.7823, 0.2502, 0.4105 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(38, 255, 193) }
```

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

```
.border{ border-color:rgb(38, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7823, 0.2502, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 193) }
```

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

```
.background{ background-color: rgb(38, 255,  
193) }
```

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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