

Converting Colors

$Y_{xy}(75.9388, 0.2495, 0.4070)$

Have a look what the booklet for
Yxy(75.9388, 0.2495, 0.4070)
contains.

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Color

Yxy(75.9112, 0.2496, 0.4076)

Conversions

Conversions Part 1

Format	Color
Hex	28FFC3
RGB	40, 255, 195
RGB Percent	16%, 100%, 76%
CMY	0.8433, 0.0000, 0.2352
CMYK	0.84, 0.00, 0.24, 0.00
HSL	163°, 100%, 58%
HSV	163°, 84%, 100%
XYZ	46.4854, 75.9112, 63.8429
YIQ	183.8750, -108.8800, -64.2400

Conversions

Conversions Part 2

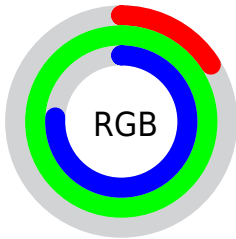
Format	Color
RYB	40, 165, 255
Decimal	2686915
CIELab	89.82, -62.17, 15.05
CIELCh	90, 63.968, 166.394
Yxy	75.9112, 0.2496, 0.4076
Android (android.graphics.Color)	4280876995 (0xFF28FFC3)
YUV	183.8750, 5.4846, -126.1784
Hunter-Lab	87.1270, -57.2362, 17.5438

Details

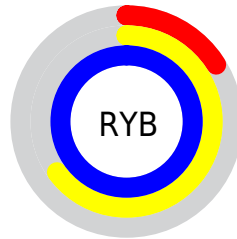
The Yxy color **75.9112, 0.2496, 0.4076** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.6934, 0.5384, 0.2880**, and the grayscale version is **47.8675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9839, 0.2480, 0.3322**, and **41.8556, 0.2513, 0.4245** is the 20% darker color. If you saturate the color by 10%, you get **75.2439, 0.2502, 0.4182**, and if you desaturate by 10%, it is **76.9300, 0.2510, 0.3969**.

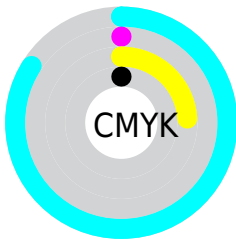
Distribution



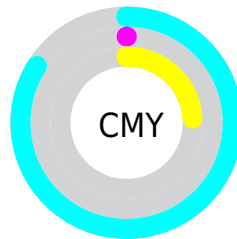
- Red (16%)
- Green (100%)
- Blue (76%)



- Red (16%)
- Yellow (65%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9112, 0.2496, 0.4076 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 75.9112, 0.2496, 0.4076 by changing the saturation by 10% instead.

 75.9112, 0.2496,
0.4076

 75.9112, 0.2496,
0.4076


481.0437, 0.2793,
0.3697

 56.3597, 0.2427,
0.4166


 127.6014, 0.2600,
0.3941


 40.4914, 0.2342,
0.4280


 160.5088, 0.2640,
0.3890

 27.9219, 0.2234,
0.4427


 198.6371, 0.2674,
0.3846

 18.2668, 0.2092,
0.4623

 242.3705, 0.2704,
0.3808

 11.1417, 0.1899,
0.4899

292.0934, 0.2731,
0.3775

 6.1622, 0.1623,
0.5310

348.1904, 0.2754,

 2.9440, 0.1159,

0.3746

0.6010

411.0456, 0.2774,
0.3720

■ 1.1026, 0.0000,
0.8935

■ 0.0000, 0.0000,
0.0000

■ 75.9112, 0.2496,
0.4076

■ 75.9112, 0.2496,
0.4076

■ 75.2439, 0.2502,
0.4182


■ 76.9300, 0.2510,
0.3969

■ 74.9755, 0.2511,
0.4241


■ 78.3575, 0.2544,
0.3863

■ 80.2407, 0.2598,
0.3759


■ 82.6200, 0.2670,
0.3659

 85.5312, 0.2757,
0.3564

 89.0067, 0.2855,
0.3475

 93.0766, 0.2963,
0.3394

 97.7683, 0.3077,
0.3320

 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



75.9112, 0.3186, 0.4621



75.9112, 0.2496, 0.4076



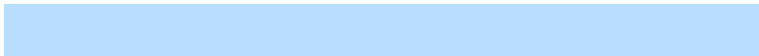
75.9112, 0.2013, 0.3267

Triad

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



75.9112, 0.2496, 0.4076



75.9112, 0.2288, 0.2143



75.9112, 0.4633, 0.3695

Complementary

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



75.9112, 0.2496, 0.4076



23.6934, 0.5384, 0.2880

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.



75.9112, 0.4359, 0.3140



75.9112, 0.2496, 0.4076



75.9112, 0.2917, 0.2296

Square

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



75.9112, 0.2496, 0.4076



75.9112, 0.1917, 0.2230



75.9112, 0.3694, 0.2649



75.9112, 0.4440, 0.4238

Rectangle

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



75.9112, 0.2496, 0.4076



75.9112, 0.1852, 0.2791



75.9112, 0.3694, 0.2649



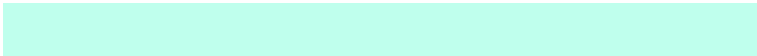
75.9112, 0.4595, 0.3508

Sweetspot

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



75.9113, 0.2496, 0.4076



88.7560, 0.2848, 0.3481



74.4330, 0.3189, 0.5721



18.7249, 0.2813, 0.3511



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.



75.9113, 0.2496, 0.4076



74.9755, 0.2511, 0.4241



52.9807, 0.2108, 0.2687



20.3899, 0.3017, 0.3357



39.2030, 0.2507, 0.4224



3.8357, 0.2473, 0.4103

Inverse Universe

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



23.6934, 0.5384, 0.2880



21.7165, 0.5883, 0.3015



28.1564, 0.5752, 0.3600



18.0703, 0.3250, 0.3224



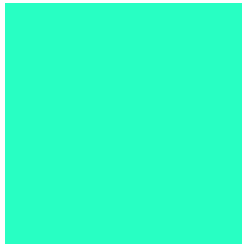
11.3690, 0.5842, 0.2992



1.1246, 0.5522, 0.2816

Previews

White Background



This preview shows how the Yxy color 75.9112, 0.2496, 0.4076 looks on a white background.

Color Contrast Check

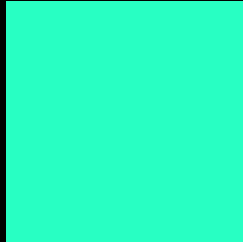
Large Text (above 18pt) WCAG AA × Fail

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 75.9112, 0.2496, 0.4076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

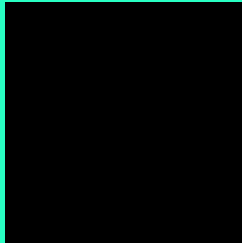
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.9112, 0.2496, 0.4076

Background



This preview shows how black text looks on a background with the Yxy color 75.9112, 0.2496, 0.4076.

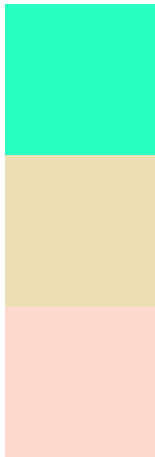


This preview shows how white text looks on a background with the Yxy color 75.9112, 0.2496, 0.4076.

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

75.9112, 0.2496, 0.4076

Protanopia

74.0752, 0.3523, 0.3752

Deuteranopia

74.3540, 0.3488, 0.3414



Tritanopia

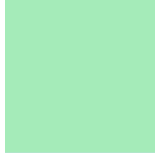
75.2029, 0.2494, 0.3116

Trichromacy



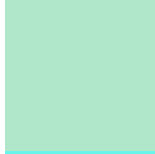
Original Color

75.9112, 0.2496, 0.4076



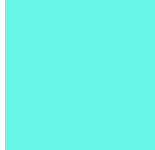
Protanomaly

70.9188, 0.2972, 0.3904



Deuteranomaly

70.0408, 0.2947, 0.3637



Tritanomaly

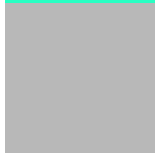
74.1311, 0.2459, 0.3435

Monochromacy



Original Color

75.9112, 0.2496, 0.4076



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.6296, 0.2736, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9112, 0.2496, 0.4076 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(40, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(40, 255, 195)  
}
```

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(40, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 255, 195) }
```

Border

The CSS property to change the border of an element to Yxy 75.9112, 0.2496, 0.4076 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(40, 255, 195) }
```

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

```
.border{ border-color:rgb(40, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(40, 255,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9112, 0.2496, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 255, 195) }
```

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

```
.background{ background-color: rgb(40, 255,  
195) }
```

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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