

Converting Colors

$Y_{xy}(75.7739, 0.2510, 0.4122)$

Have a look what the booklet for
Yxy(75.7739, 0.2510, 0.4122)
contains.

Yxy(75.7972, 0.2510, 0.4118)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.7972, 0.2510, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	29FFC0
RGB	41, 255, 192
RGB Percent	16%, 100%, 75%
CMY	0.8378, 0.0000, 0.2470
CMYK	0.84, 0.00, 0.25, 0.00
HSL	162°, 100%, 58%
HSV	162°, 84%, 100%
XYZ	46.1998, 75.7972, 62.0661
YIQ	183.8320, -107.3210, -64.9610

Conversions

Conversions Part 2

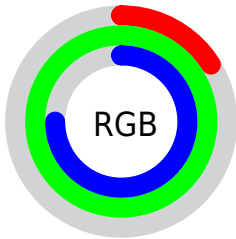
Format	Color
RYB	41, 166, 255
Decimal	2752448
CIELab	89.77, -62.75, 16.52
CIELCh	90, 64.892, 165.248
Yxy	75.7972, 0.2510, 0.4118
Android (android.graphics.Color)	4280942528 (0xFF29FFC0)
YUV	183.8320, 4.0268, -125.2637
Hunter-Lab	87.0616, -57.6355, 18.6753

Details

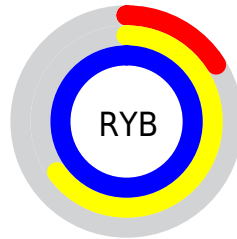
The Yxy color **75.7972, 0.2510, 0.4118** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.8771, 0.5312, 0.2846**, and the grayscale version is **47.9191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7329, 0.2496, 0.3369**, and **41.7675, 0.2528, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **75.1052, 0.2516, 0.4230**, and if you desaturate by 10%, it is **76.8517, 0.2524, 0.4004**.

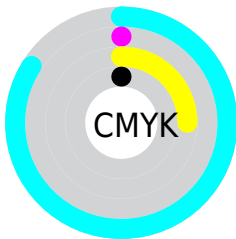
Distribution



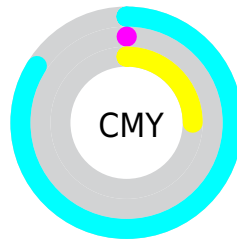
- Red (16%)
- Green (100%)
- Blue (75%)



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



- Cyan (84%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7972, 0.2510, 0.4118 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 75.7972, 0.2510, 0.4118 by changing the saturation by 10% instead.

 75.7972, 0.2510,
0.4118


 75.7972, 0.2510,
0.4118


480.6532, 0.2802,
0.3717


 56.2662, 0.2442,
0.4214

 127.4402, 0.2612,
0.3975


 40.4164, 0.2358,
0.4335


 160.3210, 0.2652,
0.3921

 27.8634, 0.2250,
0.4491


 198.4206, 0.2686,
0.3874

 18.2227, 0.2109,
0.4700

 242.1232, 0.2715,
0.3834

 11.1100, 0.1916,
0.4995

291.8135, 0.2741,
0.3799

 6.1409, 0.1638,
0.5437


347.8756, 0.2763,

 2.9309, 0.1158,

0.3769


0.6196


410.6940, 0.2784,
0.3741


 1.0958, 0.0000,
0.9805


 0.0000, 0.0000,
0.0000


 75.7972, 0.2510,
0.4118


 75.7972, 0.2510,
0.4118


 75.1052, 0.2516,
0.4230

 76.8517, 0.2524,
0.4004

 74.8024, 0.2528,
0.4300


 78.3166, 0.2558,
0.3891


 80.2413, 0.2611,
0.3781


 82.6659, 0.2683,
0.3675

 85.6262, 0.2769,
0.3575

 89.1544, 0.2866,
0.3481

 93.2804, 0.2972,
0.3395

 98.0316, 0.3084,
0.3317

 99.9951, 0.3127,
0.3290

Harmonies

Analogous

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



75.7972, 0.3213, 0.4654



75.7972, 0.2510, 0.4118



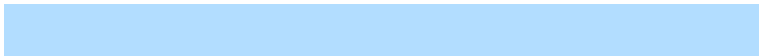
75.7972, 0.2011, 0.3296

Triad

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



75.7972, 0.2510, 0.4118



75.7972, 0.2258, 0.2127



75.7972, 0.4653, 0.3676

Complementary

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



75.7972, 0.2510, 0.4118



23.8771, 0.5312, 0.2846

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.



75.7972, 0.4357, 0.3116



75.7972, 0.2510, 0.4118



75.7972, 0.2885, 0.2274

Square

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



75.7972, 0.2510, 0.4118



75.7972, 0.1893, 0.2225



75.7972, 0.3671, 0.2623



75.7972, 0.4472, 0.4229

Rectangle

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



75.7972, 0.2510, 0.4118



75.7972, 0.1841, 0.2807



75.7972, 0.3671, 0.2623



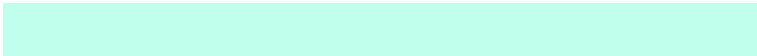
75.7972, 0.4609, 0.3486

Sweetspot

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



75.8002, 0.2510, 0.4118



88.6967, 0.2854, 0.3492



74.7089, 0.3207, 0.5699



18.7106, 0.2819, 0.3524



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.



75.8002, 0.2510, 0.4118



74.8076, 0.2528, 0.4300



54.9199, 0.2124, 0.2740



20.3848, 0.3019, 0.3361



39.1160, 0.2523, 0.4281



3.8278, 0.2487, 0.4154

Inverse Universe

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



23.8771, 0.5312, 0.2846



21.7706, 0.5829, 0.2985



27.7769, 0.5766, 0.3574



18.0752, 0.3248, 0.3220



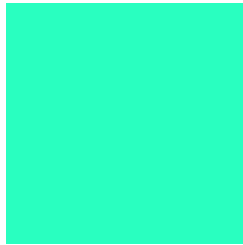
11.3982, 0.5787, 0.2961



1.1280, 0.5467, 0.2785

Previews

White Background



This preview shows how the Yxy color 75.7972, 0.2510, 0.4118 looks on a white background.

Color Contrast Check

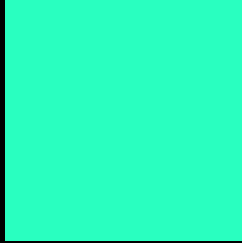
Large Text (above 18pt) WCAG AA × Fail

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 75.7972, 0.2510, 0.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

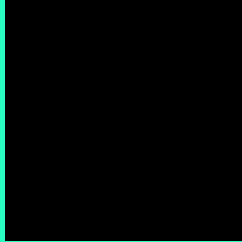
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7972, 0.2510, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 75.7972, 0.2510, 0.4118.

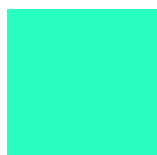


This preview shows how white text looks on a background with the Yxy color 75.7972, 0.2510, 0.4118.

Color Blindness Simulation

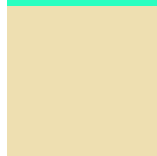
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



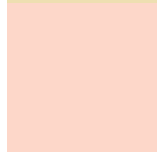
Original Color

75.7972, 0.2510, 0.4118



Protanopia

74.1268, 0.3551, 0.3783



Deuteranopia

73.7006, 0.3512, 0.3435



Tritanopia

75.2029, 0.2494, 0.3116

Trichromacy



Original Color

75.7972, 0.2510, 0.4118



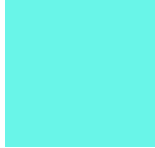
Protanomaly

70.9011, 0.2995, 0.3942



Deuteranomaly

69.9010, 0.2964, 0.3674



Tritanomaly

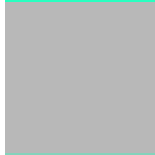
74.1343, 0.2467, 0.3448

Monochromacy



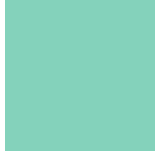
Original Color

75.7972, 0.2510, 0.4118



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.5866, 0.2742, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7972, 0.2510, 0.4118 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(41, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 192)  
}
```

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(41, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 192) }
```

Border

The CSS property to change the border of an element to Yxy 75.7972, 0.2510, 0.4118 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(41, 255, 192) }
```

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

```
.border{ border-color:rgb(41, 255, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 255, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7972, 0.2510, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 255, 192) }
```

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

```
.background{ background-color: rgb(41, 255,  
192) }
```

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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