

Converting Colors

$Y_{xy}(75.7621, 0.2392, 0.3497)$

Have a look what the booklet for
Yxy(75.7621, 0.2392, 0.3497)
contains.

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Color

Yxy(75.7503, 0.2392, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	4BFAE9
RGB	75, 250, 233
RGB Percent	29%, 98%, 91%
CMY	0.7058, 0.0196, 0.0862
CMYK	0.70, 0.00, 0.07, 0.02
HSL	174°, 95%, 64%
HSV	174°, 70%, 98%
XYZ	51.7995, 75.7503, 89.0034
YIQ	195.7370, -98.8430, -42.3870

Conversions

Conversions Part 2

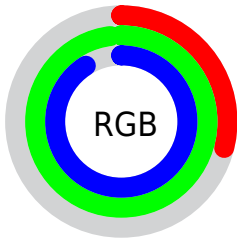
Format	Color
RYB	75, 167, 250
Decimal	4979433
CIELab	89.74, -47.38, -4.69
CIELCh	90, 47.609, 185.648
Yxy	75.7503, 0.2392, 0.3498
Android (android.graphics.Color)	4283169513 (0xFF4BFAE9)
YUV	195.7370, 18.3707, -105.8863
Hunter-Lab	87.0346, -46.0746, 0.2931

Details

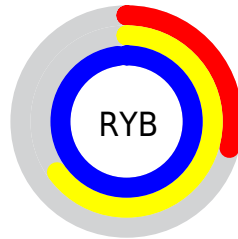
The Yxy color **75.7503, 0.2392, 0.3498** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.1325, 0.5295, 0.3154**, and the grayscale version is **54.9753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **41.3143, 0.2319, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **74.7974, 0.2355, 0.3532**, and if you desaturate by 10%, it is **77.1067, 0.2449, 0.3464**.

Distribution



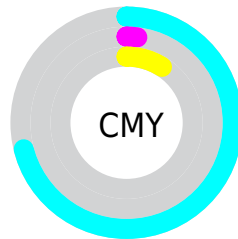
- Red (29%)
- Green (98%)
- Blue (91%)



- Red (29%)
- Yellow (65%)
- Blue (98%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)




- Cyan (71%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7503, 0.2392, 0.3498 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 75.7503, 0.2392, 0.3498 by changing the saturation by 10% instead.


 75.7503, 0.2392,
0.3498

 75.7503, 0.2392,
0.3498

480.4925, 0.2724,
0.3408


 56.2278, 0.2319,
0.3517


 127.3739, 0.2505,
0.3468


 40.3856, 0.2229,
0.3539

 160.2437, 0.2550,
0.3456

 27.8393, 0.2118,
0.3566


 198.3315, 0.2589,
0.3446

 18.2046, 0.1976,
0.3599

 242.0215, 0.2622,
0.3437

 11.0969, 0.1790,
0.3639

291.6982, 0.2652,
0.3428

 6.1321, 0.1537,
0.3688

347.7461, 0.2679,

 2.9256, 0.1181,

0.3421

410.5493, 0.2703,
0.3414

0.3742

1.0930, 0.0000,
0.4046

0.0000, 0.0000,
0.0000

75.7503, 0.2392,
0.3498

75.7503, 0.2392,
0.3498

74.7974, 0.2355,
0.3532

77.1067, 0.2449,
0.3464

74.1898, 0.2336,
0.3565

78.8993, 0.2525,
0.3432

73.8491, 0.2333,
0.3598


81.1673, 0.2619,
0.3400

73.8488, 0.2333,
0.3598

83.9431, 0.2730,
0.3369

 87.2563, 0.2853,
0.3341

 91.1344, 0.2986,
0.3314

 95.6026, 0.3127,
0.3290

 96.6867, 0.3144,
0.3267

 96.8418, 0.3130,
0.3244

Harmonies

Analogous

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



75.7503, 0.2842, 0.4036



75.7503, 0.2392, 0.3498



75.7503, 0.2146, 0.2947

Triad

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



75.7503, 0.2392, 0.3498



75.7503, 0.2785, 0.2454



75.7503, 0.4212, 0.3905

Complementary

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



75.7503, 0.2392, 0.3498



26.1325, 0.5295, 0.3154

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.



75.7503, 0.4218, 0.3476



75.7503, 0.2392, 0.3498



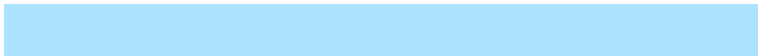
75.7503, 0.3349, 0.2682

Square

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



75.7503, 0.2392, 0.3498



75.7503, 0.2357, 0.2405



75.7503, 0.3892, 0.3043



75.7503, 0.3900, 0.4232

Rectangle

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



75.7503, 0.2392, 0.3498



75.7503, 0.2114, 0.2668



75.7503, 0.3892, 0.3043



75.7503, 0.4252, 0.3768

Sweetspot

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



75.7532, 0.2392, 0.3498



90.8900, 0.2840, 0.3343



71.1821, 0.3085, 0.5501



19.2403, 0.2805, 0.3351



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.



75.7532, 0.2392, 0.3498



77.9408, 0.2345, 0.3545



41.0460, 0.2097, 0.2359



19.5779, 0.2993, 0.3313



39.1837, 0.2331, 0.3593



3.6373, 0.2320, 0.3553

Inverse Universe

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



26.1325, 0.5295, 0.3154



23.1752, 0.5893, 0.3185



41.0881, 0.4895, 0.3957



17.2525, 0.3279, 0.3267



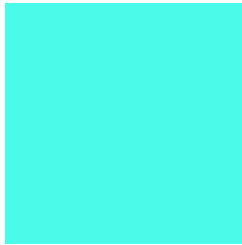
10.8252, 0.6292, 0.3240



1.0115, 0.6073, 0.3119

Previews

White Background



This preview shows how the Yxy color 75.7503, 0.2392, 0.3498 looks on a white background.

Color Contrast Check

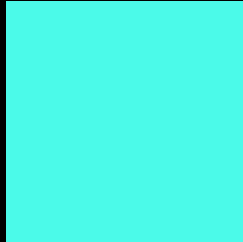
Large Text (above 18pt) WCAG AA × Fail

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 75.7503, 0.2392, 0.3498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

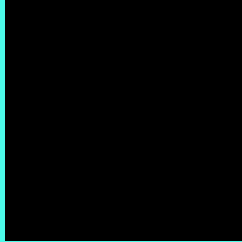
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7503, 0.2392, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 75.7503, 0.2392, 0.3498.

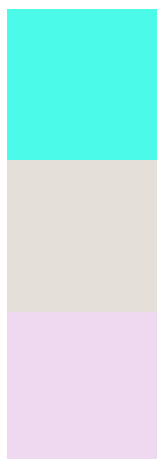


This preview shows how white text looks on a background with the Yxy color 75.7503, 0.2392, 0.3498.

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

75.7503, 0.2392, 0.3498

Protanopia

74.4431, 0.3209, 0.3354

Deuteranopia

74.0941, 0.3124, 0.3054



Tritanopia

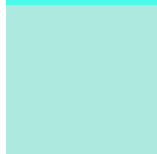
75.2910, 0.2498, 0.3116

Trichromacy



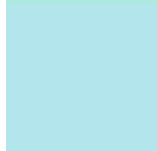
Original Color

75.7503, 0.2392, 0.3498



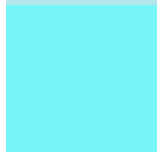
Protanomaly

72.4898, 0.2805, 0.3406



Deuteranomaly

71.7368, 0.2759, 0.3198



Tritanomaly

75.2683, 0.2446, 0.3252

Monochromacy



Original Color

75.7503, 0.2392, 0.3498



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.3906, 0.2741, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7503, 0.2392, 0.3498 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(75, 250, 233)` looks like.

```
.text, #text, p{  
    color:rgb(75, 250, 233)  
}
```

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(75, 250, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 250, 233) }
```

Border

The CSS property to change the border of an element to Yxy 75.7503, 0.2392, 0.3498 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(75, 250, 233) }
```

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

```
.border{ border-color:rgb(75, 250, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 250, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 250, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 250, 233);  
box-shadow:4px 4px 4px 4px rgb(75, 250,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7503, 0.2392, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 250, 233) }
```

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

```
.background{ background-color: rgb(75, 250,  
233) }
```

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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