

Converting Colors

$Y_{xy}(75.1136, 0.2437, 0.3802)$

Have a look what the booklet for
Yxy(75.1136, 0.2437, 0.3802)
contains.

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Color

Yxy(75.1312, 0.2438, 0.3803)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 35FCD4 |
| RGB | 53, 252, 212 |
| RGB Percent | 21%, 99%, 83% |
| CMY | 0.7921, 0.0118, 0.1686 |
| CMYK | 0.79, 0.00, 0.16, 0.01 |
| HSL | 168°, 97%, 60% |
| HSV | 168°, 79%, 99% |
| XYZ | 48.1646, 75.1312, 74.2619 |
| YIQ | 187.9390, -105.7640, -54.6280 |

Conversions

Conversions Part 2

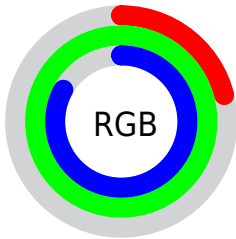
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 53, 164, 252 |
| Decimal | 3538132 |
| CIELab | 89.45, -55.92, 5.77 |
| CIELCh | 89, 56.215, 174.109 |
| Yxy | 75.1312, 0.2438, 0.3803 |
| Android (android.graphics.Color) | 4281728212 (0xFF35FCD4) |
| YUV | 187.9390, 11.8621, -118.3415 |
| Hunter-Lab | 86.6783, -52.4997, 9.8778 |

Details

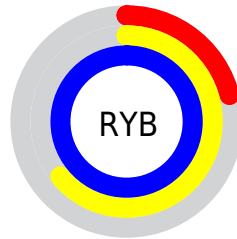
The Yxy color **75.1312, 0.2438, 0.3803** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.0349, 0.5415, 0.2999**, and the grayscale version is **50.2355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **41.0179, 0.2420, 0.3911** is the 20% darker color. If you saturate the color by 10%, you get **74.3693, 0.2426, 0.3877**, and if you desaturate by 10%, it is **76.2654, 0.2469, 0.3729**.

Distribution



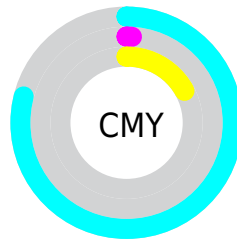
- Red (21%)
- Green (99%)
- Blue (83%)



- Red (21%)
- Yellow (64%)
- Blue (99%)



- Cyan (79%)
- Magenta (0%)
- Yellow (16%)
- Black (1%)





- Cyan (79%)
- Magenta (1%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1312, 0.2438, 0.3803 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 75.1312, 0.2438, 0.3803 by changing the saturation by 10% instead.


 75.1312, 0.2438,
0.3803


 75.1312, 0.2438,
0.3803


478.3684, 0.2755,
0.3562


 55.7204, 0.2366,
0.3859


 126.4981, 0.2548,
0.3719

 39.9788, 0.2278,
0.3928


 159.2229, 0.2590,
0.3686

 27.5220, 0.2167,
0.4016


 197.1545, 0.2627,
0.3658

 17.9656, 0.2024,
0.4132

 240.6773, 0.2659,
0.3634

 10.9253, 0.1833,
0.4291

290.1757, 0.2688,
0.3613

 6.0166, 0.1568,
0.4520


346.0341, 0.2713,

 2.8552, 0.1167,


0.3594


0.4884


408.6369, 0.2735,
0.3577

 1.0566, 0.0000,
0.5893

 0.0000, 0.0000,
0.0000


 75.1312, 0.2438,
0.3803

 75.1312, 0.2438,
0.3803

 74.3693, 0.2426,
0.3877


 76.2654, 0.2469,
0.3729

 73.8982, 0.2432,
0.3950

 77.8127, 0.2521,
0.3655

 73.8563, 0.2433,
0.3958

 79.8177, 0.2591,
0.3584


 82.3169, 0.2678,
0.3515

 85.3432, 0.2780,
0.3451

 88.9266, 0.2892,
0.3391

 93.0947, 0.3014,
0.3335

 97.8734, 0.3141,
0.3285

 98.1021, 0.3128,
0.3262

Harmonies

Analogous

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



75.1312, 0.3024, 0.4367



75.1312, 0.2438, 0.3803



75.1312, 0.2061, 0.3106

Triad

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



75.1312, 0.2438, 0.3803



75.1312, 0.2506, 0.2274



75.1312, 0.4457, 0.3801

Complementary

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



75.1312, 0.2438, 0.3803



24.0349, 0.5415, 0.2999

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.



75.1312, 0.4315, 0.3294



75.1312, 0.2438, 0.3803



75.1312, 0.3117, 0.2463

Square

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



75.1312, 0.2438, 0.3803



75.1312, 0.2103, 0.2299



75.1312, 0.3801, 0.2823



75.1312, 0.4203, 0.4258

Rectangle

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



75.1312, 0.2438, 0.3803



75.1312, 0.1958, 0.2723



75.1312, 0.3801, 0.2823



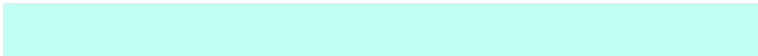
75.1312, 0.4456, 0.3632

Sweetspot

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



75.1341, 0.2438, 0.3803



89.4160, 0.2834, 0.3420



72.3736, 0.3151, 0.5659



18.8661, 0.2795, 0.3442



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.



75.1341, 0.2438, 0.3803



76.0756, 0.2428, 0.3922



47.0971, 0.2092, 0.2547



19.5453, 0.3007, 0.3338



38.4935, 0.2429, 0.3946



3.5798, 0.2405, 0.3858

Inverse Universe

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



24.0349, 0.5415, 0.2999



21.8831, 0.5983, 0.3100



31.9764, 0.5423, 0.3745



17.2822, 0.3262, 0.3243



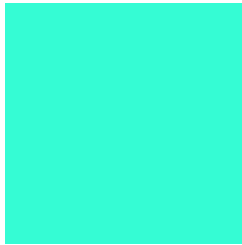
10.9199, 0.6075, 0.3120



1.0257, 0.5761, 0.2947

Previews

White Background



This preview shows how the Yxy color 75.1312, 0.2438, 0.3803 looks on a white background.

Color Contrast Check

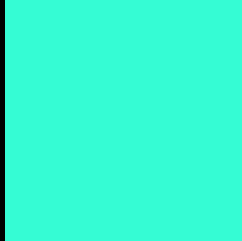
Large Text (above 18pt) WCAG AA × Fail

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 75.1312, 0.2438, 0.3803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

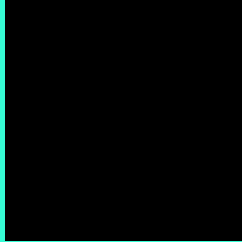
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.1312, 0.2438, 0.3803

Background



This preview shows how black text looks on a background with the Yxy color 75.1312, 0.2438, 0.3803.

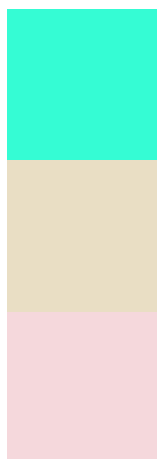


This preview shows how white text looks on a background with the Yxy color 75.1312, 0.2438, 0.3803.

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

75.1312, 0.2438, 0.3803

Protanopia

73.5517, 0.3383, 0.3571

Deuteranopia

73.6915, 0.3313, 0.3249



Tritanopia

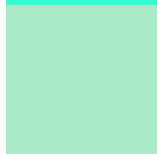
74.1872, 0.2471, 0.3103

Trichromacy



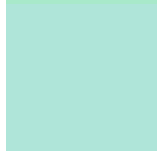
Original Color

75.1312, 0.2438, 0.3803



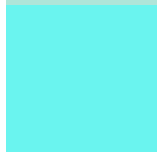
Protanomaly

70.8669, 0.2893, 0.3664



Deuteranomaly

70.1623, 0.2847, 0.3431



Tritanomaly

73.9975, 0.2438, 0.3349

Monochromacy



Original Color

75.1312, 0.2438, 0.3803



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.1087, 0.2726, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.1312, 0.2438, 0.3803 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(53, 252, 212)` looks like.

```
.text, #text, p{  
    color:rgb(53, 252, 212)  
}
```

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(53, 252, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 252, 212) }
```

Border

The CSS property to change the border of an element to Yxy 75.1312, 0.2438, 0.3803 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(53, 252, 212) }
```

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

```
.border{ border-color:rgb(53, 252, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 252, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 252, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 252, 212);  
box-shadow:4px 4px 4px 4px rgb(53, 252,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 75.1312, 0.2438, 0.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 252, 212) }
```

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

```
.background{ background-color: rgb(53, 252,  
212) }
```

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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