

Converting Colors

$Yxy(74.7923, 0.2492, 0.3949)$

Have a look what the booklet for
Yxy(74.7923, 0.2492, 0.3949)
contains.

Yxy(74.7677, 0.2493, 0.3953)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.7677, 0.2493, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	3BFCC9
RGB	59, 252, 201
RGB Percent	23%, 99%, 79%
CMY	0.7691, 0.0117, 0.2117
CMYK	0.77, 0.00, 0.20, 0.01
HSL	164°, 97%, 61%
HSV	164°, 77%, 99%
XYZ	47.1530, 74.7677, 67.2209
YIQ	188.4790, -98.6570, -56.7770

Conversions

Conversions Part 2

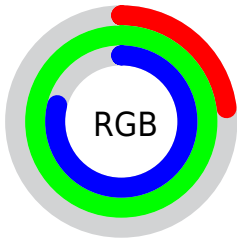
Format	Color
RYB	59, 170, 252
Decimal	3931337
CIELab	89.28, -57.99, 11.23
CIELCh	89, 59.071, 169.045
Yxy	74.7677, 0.2493, 0.3953
Android (android.graphics.Color)	4282121417 (0xFF3BFCC9)
YUV	188.4790, 6.1729, -113.5531
Hunter-Lab	86.4683, -53.9797, 14.4354

Details

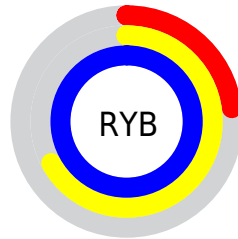
The Yxy color **74.7677, 0.2493, 0.3953** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.9342, 0.5139, 0.2879**, and the grayscale version is **50.5635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **40.6902, 0.2470, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **73.8729, 0.2482, 0.4053**, and if you desaturate by 10%, it is **76.0528, 0.2524, 0.3853**.

Distribution



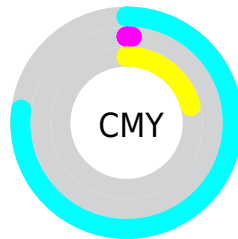
- Red (23%)
- Green (99%)
- Blue (79%)



- Red (23%)
- Yellow (67%)
- Blue (99%)



- Cyan (77%)
- Magenta (0%)
- Yellow (20%)
- Black (1%)




- Cyan (77%)
- Magenta (1%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.7677, 0.2493, 0.3953 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 74.7677, 0.2493, 0.3953 by changing the saturation by 10% instead.

 74.7677, 0.2493,
0.3953

 74.7677, 0.2493,
0.3953


477.1187, 0.2789,
0.3635

 55.4226, 0.2425,
0.4028

 125.9835, 0.2596,
0.3841

 39.7402, 0.2341,
0.4122


 158.6229, 0.2636,
0.3798

 27.3360, 0.2234,
0.4243


 196.4627, 0.2671,
0.3761

 17.8257, 0.2095,
0.4405

 239.8870, 0.2700,
0.3729

 10.8250, 0.1907,
0.4631

289.2804, 0.2727,
0.3701

 5.9493, 0.1639,
0.4966

345.0272, 0.2750,

 2.8142, 0.1205,

0.3677

0.5530

407.5119, 0.2771,
0.3655

■ 1.0355, 0.0000,
0.7560

■ 0.0000, 0.0000,
0.0000

■ 74.7677, 0.2493,
0.3953

■ 74.7677, 0.2493,
0.3953

■ 73.8729, 0.2482,
0.4053

■ 76.0528, 0.2524,
0.3853

■ 73.3000, 0.2491,
0.4153

■ 77.7669, 0.2575,
0.3754

■ 73.1499, 0.2496,
0.4186

■ 79.9533, 0.2644,
0.3659


■ 82.6476, 0.2729,
0.3569

 85.8821, 0.2827,
0.3484

 89.6864, 0.2934,
0.3405

 94.0876, 0.3049,
0.3334

 98.0578, 0.3133,
0.3269

 98.1064, 0.3128,
0.3262

Harmonies

Analogous

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



74.7677, 0.3129, 0.4490



74.7677, 0.2493, 0.3953



74.7677, 0.2058, 0.3210

Triad

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



74.7677, 0.2493, 0.3953



74.7677, 0.2387, 0.2217



74.7677, 0.4530, 0.3728

Complementary

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



74.7677, 0.2493, 0.3953



24.9342, 0.5139, 0.2879

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.



74.7677, 0.4310, 0.3201



74.7677, 0.2493, 0.3953



74.7677, 0.2995, 0.2379

Square

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



74.7677, 0.2493, 0.3953



74.7677, 0.2012, 0.2282



74.7677, 0.3718, 0.2727



74.7677, 0.4323, 0.4227

Rectangle

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



74.7677, 0.2493, 0.3953



74.7677, 0.1920, 0.2781



74.7677, 0.3718, 0.2727



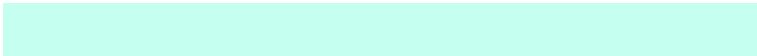
74.7677, 0.4506, 0.3551

Sweetspot

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



74.7706, 0.2493, 0.3953



89.5655, 0.2865, 0.3454



73.2798, 0.3202, 0.5577



18.8831, 0.2827, 0.3484



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.



74.7706, 0.2493, 0.3953



75.5266, 0.2485, 0.4107



52.5527, 0.2145, 0.2705



19.5258, 0.3016, 0.3353



38.1272, 0.2491, 0.4169



3.5487, 0.2458, 0.4050

Inverse Universe

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



24.9342, 0.5139, 0.2879



22.3887, 0.5698, 0.2965



30.8992, 0.5433, 0.3659



17.3004, 0.3252, 0.3228



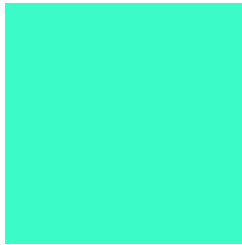
11.0091, 0.5889, 0.3018



1.0363, 0.5555, 0.2834

Previews

White Background



This preview shows how the Yxy color 74.7677, 0.2493, 0.3953 looks on a white background.

Color Contrast Check

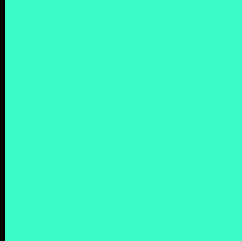
Large Text (above 18pt) WCAG AA × Fail

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 74.7677, 0.2493, 0.3953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

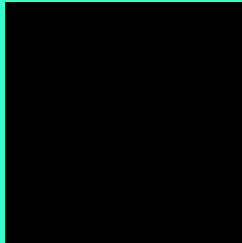
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.7677, 0.2493, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 74.7677, 0.2493, 0.3953.



This preview shows how white text looks on a background with the Yxy color 74.7677, 0.2493, 0.3953.

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

74.7677, 0.2493, 0.3953

Protanopia

73.2801, 0.3460, 0.3679

Deuteranopia

73.3441, 0.3423, 0.3353



Tritanopia

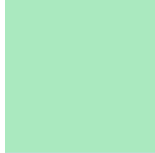
74.1039, 0.2467, 0.3103

Trichromacy



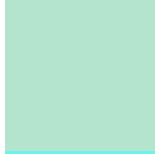
Original Color

74.7677, 0.2493, 0.3953



Protanomaly

70.5855, 0.2968, 0.3801



Deuteranomaly

69.6463, 0.2942, 0.3551



Tritanomaly

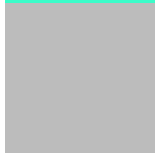
73.8253, 0.2458, 0.3398

Monochromacy



Original Color

74.7677, 0.2493, 0.3953



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.1015, 0.2762, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.7677, 0.2493, 0.3953 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(59, 252, 201)` looks like.

```
.text, #text, p{  
    color:rgb(59, 252, 201)  
}
```

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(59, 252, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 252, 201) }
```

Border

The CSS property to change the border of an element to Yxy 74.7677, 0.2493, 0.3953 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(59, 252, 201) }
```

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

```
.border{ border-color:rgb(59, 252, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 252, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 252, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 252, 201);  
box-shadow:4px 4px 4px 4px rgb(59, 252,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 74.7677, 0.2493, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 252, 201) }
```

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

```
.background{ background-color: rgb(59, 252,  
201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor