

Converting Colors

$Y_{xy}(73.5250, 0.2312, 0.3523)$

Have a look what the booklet for
Yxy(73.5250, 0.2312, 0.3523)
contains.

Yxy(73.5209, 0.2310, 0.3517)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.5209, 0.2310, 0.3517)

Conversions

Conversions Part 1

Format	Color
Hex	00F9E7
RGB	0, 249, 231
RGB Percent	0%, 98%, 91%
CMY	1.0000, 0.0235, 0.0942
CMYK	1.00, 0.00, 0.07, 0.02
HSL	176°, 100%, 49%
HSV	176°, 100%, 98%
XYZ	48.2892, 73.5209, 87.2342
YIQ	172.4970, -142.6260, -58.3860

Conversions

Conversions Part 2

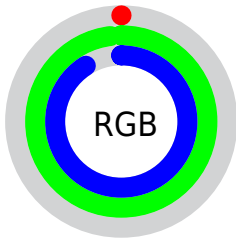
Format	Color
RYB	0, 129, 249
Decimal	63975
CIELab	88.70, -52.30, -5.24
CIELCh	89, 52.566, 185.726
Yxy	73.5209, 0.2310, 0.3517
Android (android.graphics.Color)	4278254055 (0xFF00F9E7)
YUV	172.4970, 28.8420, -151.2799
Hunter-Lab	85.7443, -49.5255, -0.2992

Details

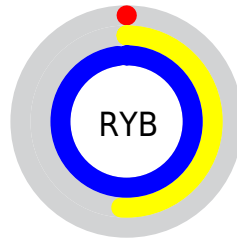
The Yxy color **73.5209, 0.2310, 0.3517** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.1862, 0.6343, 0.3268**, and the grayscale version is **41.4285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **40.8339, 0.2319, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **73.5290, 0.2310, 0.3517**, and if you desaturate by 10%, it is **73.8369, 0.2316, 0.3493**.

Distribution



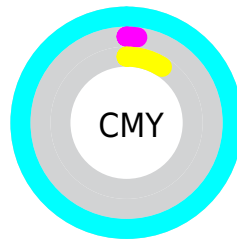
- Red (0%)
- Green (98%)
- Blue (91%)



- Red (0%)
- Yellow (51%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.5209, 0.2310, 0.3517 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 73.5209, 0.2310, 0.3517 by changing the saturation by 10% instead.


 73.5209, 0.2310,
0.3517


 73.5209, 0.2310,
0.3517


472.8182, 0.2680,
0.3420


 54.4020, 0.2228,
0.3537


 124.2164, 0.2436,
0.3485


 38.9231, 0.2128,
0.3561


 156.5618, 0.2486,
0.3472


 26.6999, 0.2005,
0.3590


 194.0849, 0.2529,
0.3460

 17.3480, 0.1847,
0.3624

 237.1699, 0.2567,
0.3450

 10.4829, 0.1641,
0.3665

 286.2014, 0.2600,
0.3441

 5.7203, 0.1364,
0.3712


341.5636, 0.2629,

 2.6758, 0.0970,


0.3433


0.3761


403.6411, 0.2656,
0.3426


 0.9649, 0.0000,
0.3933


 0.0000, 0.0000,
0.0000


 73.5209, 0.2310,
0.3517


 73.5209, 0.2310,
0.3517

 73.5290, 0.2310,
0.3517

 73.8369, 0.2316,
0.3493

 74.4080, 0.2336,
0.3468

 75.3234, 0.2375,
0.3444

 76.6319, 0.2434,
0.3419

■ 78.3746, 0.2512,
0.3395

■ 80.5874, 0.2608,
0.3371

■ 83.3024, 0.2720,
0.3349

■ 86.5490, 0.2846,
0.3328

■ 90.3542, 0.2983,
0.3308

Harmonies

Analogous

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



73.5209, 0.2803, 0.4130



73.5209, 0.2310, 0.3517



73.5209, 0.2045, 0.2899

Triad

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



73.5209, 0.2310, 0.3517



73.5209, 0.2747, 0.2372



73.5209, 0.4331, 0.3960

Complementary

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



73.5209, 0.2310, 0.3517



20.1862, 0.6343, 0.3268

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.



73.5209, 0.4345, 0.3486



73.5209, 0.2310, 0.3517



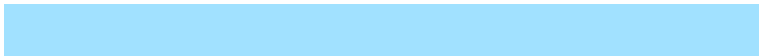
73.5209, 0.3372, 0.2621

Square

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



73.5209, 0.2310, 0.3517



73.5209, 0.2278, 0.2315



73.5209, 0.3981, 0.3014



73.5209, 0.3977, 0.4333

Rectangle

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



73.5209, 0.2310, 0.3517



73.5209, 0.2012, 0.2594



73.5209, 0.3981, 0.3014



73.5209, 0.4378, 0.3807

Sweetspot

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



73.5290, 0.2310, 0.3517



87.9126, 0.2720, 0.3349



67.9171, 0.3014, 0.5989



18.5439, 0.2671, 0.3358



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.



73.5290, 0.2310, 0.3517



77.6074, 0.2310, 0.3517



27.1704, 0.1844, 0.1837



19.5856, 0.2990, 0.3307



39.3629, 0.2309, 0.3513



3.6520, 0.2301, 0.3484

Inverse Universe

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



20.1862, 0.6343, 0.3268



21.3052, 0.6344, 0.3269



29.9940, 0.5680, 0.3872



17.2456, 0.3283, 0.3273



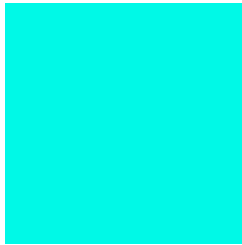
10.8113, 0.6325, 0.3258



1.0082, 0.6152, 0.3163

Previews

White Background



This preview shows how the Yxy color 73.5209, 0.2310, 0.3517 looks on a white background.

Color Contrast Check

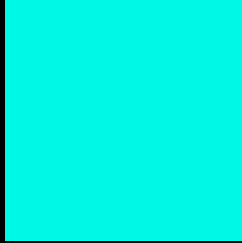
Large Text (above 18pt) WCAG AA × Fail

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 73.5209, 0.2310, 0.3517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

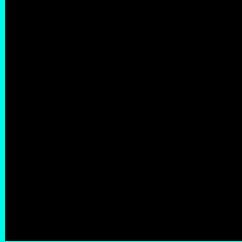
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.5209, 0.2310, 0.3517

Background



This preview shows how black text looks on a background with the Yxy color 73.5209, 0.2310, 0.3517.

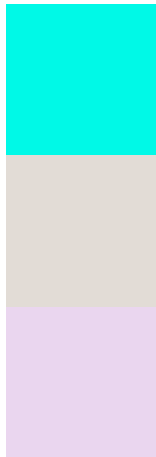


This preview shows how white text looks on a background with the Yxy color 73.5209, 0.2310, 0.3517.

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

73.5209, 0.2310, 0.3517

Protanopia

72.2102, 0.3210, 0.3355

Deuteranopia

71.8176, 0.3103, 0.3030



Tritanopia

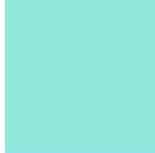
73.0180, 0.2412, 0.3100

Trichromacy



Original Color

73.5209, 0.2310, 0.3517



Protanomaly

68.2484, 0.2659, 0.3424



Deuteranomaly

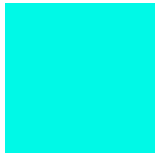
67.3839, 0.2596, 0.3181



Tritanomaly

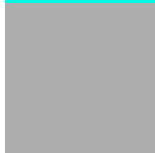
72.3328, 0.2326, 0.3251

Monochromacy



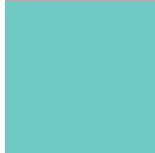
Original Color

73.5209, 0.2310, 0.3517



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

48.9833, 0.2563, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5209, 0.2310, 0.3517 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(0, 249, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 231)  
}
```

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(0, 249, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 231) }
```

Border

The CSS property to change the border of an element to Yxy 73.5209, 0.2310, 0.3517 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(0, 249, 231) }
```

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

```
.border{ border-color:rgb(0, 249, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 249, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 249,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 73.5209, 0.2310, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 231) }
```

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

```
.background{ background-color: rgb(0, 249,  
231) }
```

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