

Converting Colors

$Y_{xy}(73.9775, 0.2320, 0.3551)$

Have a look what the booklet for
Yxy(73.9775, 0.2320, 0.3551)
contains.

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Color

Yxy(74.0348, 0.2321, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	00FAE5
RGB	0, 250, 229
RGB Percent	0%, 98%, 90%
CMY	0.9988, 0.0196, 0.1019
CMYK	1.00, 0.00, 0.08, 0.02
HSL	175°, 100%, 49%
HSV	175°, 100%, 98%
XYZ	48.3361, 74.0348, 85.8845
YIQ	172.8560, -142.2590, -59.5310

Conversions

Conversions Part 2

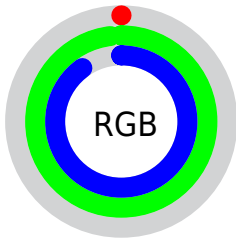
Format	Color
RYB	0, 130, 250
Decimal	64229
CIELab	88.94, -53.22, -3.86
CIELCh	89, 53.364, 184.150
Yxy	74.0348, 0.2321, 0.3555
Android (android.graphics.Color)	4278254309 (0xFF00FAE5)
YUV	172.8560, 27.6790, -151.5947
Hunter-Lab	86.0435, -50.3013, 1.0500

Details

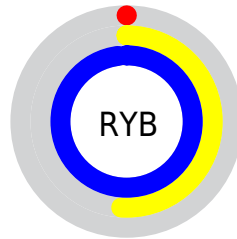
The Yxy color **74.0348, 0.2321, 0.3555** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.3879, 0.6328, 0.3260**, and the grayscale version is **41.6774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **40.7553, 0.2329, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **74.0341, 0.2321, 0.3555**, and if you desaturate by 10%, it is **74.3644, 0.2326, 0.3527**.

Distribution



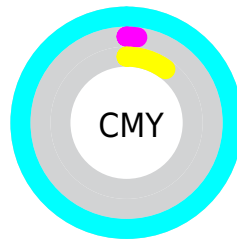
- Red (0%)
- Green (98%)
- Blue (90%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0348, 0.2321, 0.3555 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 74.0348, 0.2321, 0.3555 by changing the saturation by 10% instead.

 74.0348, 0.2321,
0.3555


 74.0348, 0.2321,
0.3555


474.5935, 0.2686,
0.3439


 54.8225, 0.2240,
0.3580

 124.9451, 0.2446,
0.3516


 39.2596, 0.2141,
0.3609


 157.4120, 0.2495,
0.3501

 26.9618, 0.2019,
0.3645


 195.0658, 0.2537,
0.3487

 17.5445, 0.1863,
0.3690

 238.2910, 0.2575,
0.3475

 10.6235, 0.1658,
0.3745

 287.4720, 0.2607,
0.3465

 5.8143, 0.1382,
0.3813

342.9931, 0.2637,

 2.7325, 0.0989,

0.3455

0.3897

405.2388, 0.2663,
0.3447

■ 0.9937, 0.0000,
0.4150

■ 0.0000, 0.0000,
0.0000

■ 74.0348, 0.2321,
0.3555

■ 74.0348, 0.2321,
0.3555

■ 74.0341, 0.2321,
0.3555

■ 74.3644, 0.2326,
0.3527

■ 74.9595, 0.2345,
0.3498

■ 75.9030, 0.2384,
0.3469

■ 77.2443, 0.2442,
0.3440

■ 79.0247, 0.2519,
0.3412

■ 81.2805, 0.2615,
0.3384

■ 84.0440, 0.2726,
0.3358

■ 87.3448, 0.2851,
0.3333

■ 91.2103, 0.2986,
0.3311

Harmonies

Analogous

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



74.0348, 0.2829, 0.4168



74.0348, 0.2321, 0.3555



74.0348, 0.2041, 0.2922

Triad

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



74.0348, 0.2321, 0.3555



74.0348, 0.2712, 0.2354



74.0348, 0.4356, 0.3943

Complementary

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



74.0348, 0.2321, 0.3555



20.3879, 0.6328, 0.3260

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.



74.0348, 0.4350, 0.3461



74.0348, 0.2321, 0.3555



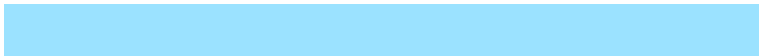
74.0348, 0.3340, 0.2596

Square

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



74.0348, 0.2321, 0.3555



74.0348, 0.2249, 0.2307



74.0348, 0.3964, 0.2987



74.0348, 0.4011, 0.4330

Rectangle

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



74.0348, 0.2321, 0.3555



74.0348, 0.1998, 0.2605



74.0348, 0.3964, 0.2987



74.0348, 0.4397, 0.3786

Sweetspot

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



74.0376, 0.2321, 0.3555



87.8569, 0.2724, 0.3358



68.5883, 0.3019, 0.5984



18.5304, 0.2676, 0.3369



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.



74.0376, 0.2321, 0.3555



77.4355, 0.2321, 0.3556



28.7597, 0.1861, 0.1899



19.5819, 0.2992, 0.3310



39.2771, 0.2320, 0.3551



3.6449, 0.2310, 0.3516

Inverse Universe

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



20.3879, 0.6328, 0.3260



21.3158, 0.6331, 0.3261



29.4780, 0.5725, 0.3835



17.2489, 0.3281, 0.3270



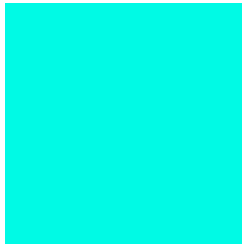
10.8175, 0.6310, 0.3250



1.0097, 0.6114, 0.3142

Previews

White Background



This preview shows how the Yxy color 74.0348, 0.2321, 0.3555 looks on a white background.

Color Contrast Check

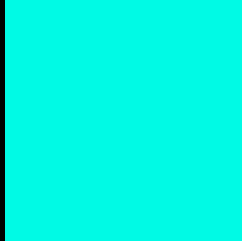
Large Text (above 18pt) WCAG AA × Fail

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 74.0348, 0.2321, 0.3555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

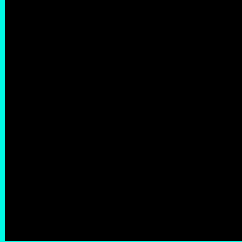
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.0348, 0.2321, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 74.0348, 0.2321, 0.3555.

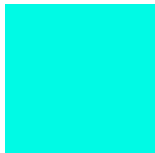


This preview shows how white text looks on a background with the Yxy color 74.0348, 0.2321, 0.3555.

Color Blindness Simulation

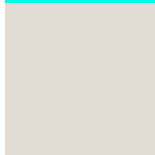
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



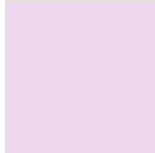
Original Color

74.0284, 0.2321, 0.3555



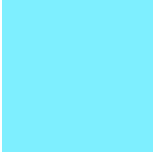
Protanopia

72.2708, 0.3231, 0.3377



Deuteranopia

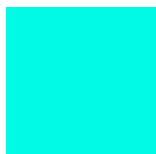
72.5482, 0.3131, 0.3062



Tritanopia

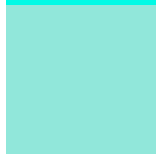
73.3886, 0.2431, 0.3101

Trichromacy



Original Color

74.0284, 0.2321, 0.3555



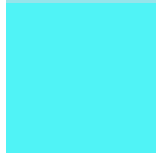
Protanomaly

68.2335, 0.2674, 0.3449



Deuteranomaly

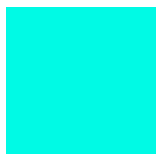
67.9113, 0.2613, 0.3217



Tritanomaly

72.4605, 0.2333, 0.3251

Monochromacy



Original Color

74.0284, 0.2321, 0.3555



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

48.9385, 0.2568, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0348, 0.2321, 0.3555 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, 250, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 229)  
}
```

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, 250, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 229) }
```

Border

The CSS property to change the border of an element to Yxy 74.0348, 0.2321, 0.3555 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, 250, 229) }
```

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

```
.border{ border-color:rgb(0, 250, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 250, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 250, 229); box-shadow:4px 4px 4px 4px rgb(0, 250, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0348, 0.2321, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 229) }
```

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

```
.background{ background-color: rgb(0, 250,  
229) }
```

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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