

Converting Colors

$Y_{xy}(73.3604, 0.2362, 0.3705)$

Have a look what the booklet for
Yxy(73.3604, 0.2362, 0.3705)
contains.

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Color

Yxy(73.4332, 0.2362, 0.3703)

Conversions

Conversions Part 1

Format	Color
Hex	00FADA
RGB	0, 250, 218
RGB Percent	0%, 98%, 85%
CMY	0.9999, 0.0196, 0.1451
CMYK	1.00, 0.00, 0.13, 0.02
HSL	172°, 100%, 49%
HSV	172°, 100%, 98%
XYZ	46.8402, 73.4332, 78.0339
YIQ	171.6020, -138.7280, -62.9520

Conversions

Conversions Part 2

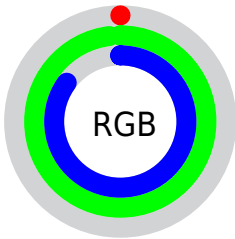
Format	Color
RYB	0, 134, 250
Decimal	64218
CIELab	88.65, -56.16, 1.46
CIELCh	89, 56.174, 178.513
Yxy	73.4332, 0.2362, 0.3703
Android (android.graphics.Color)	4278254298 (0xFF00FADA)
YUV	171.6020, 22.8742, -150.4950
Hunter-Lab	85.6932, -52.3943, 5.9946

Details

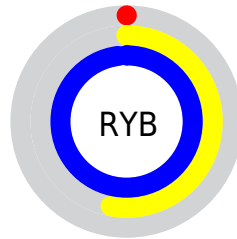
The Yxy color **73.4332, 0.2362, 0.3703** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **20.4300, 0.6266, 0.3226**, and the grayscale version is **40.9850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **40.3436, 0.2382, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **73.4355, 0.2362, 0.3703**, and if you desaturate by 10%, it is **73.8121, 0.2363, 0.3658**.

Distribution



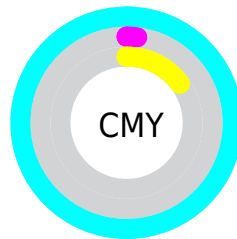
- Red (0%)
- Green (98%)
- Blue (85%)



- Red (0%)
- Yellow (53%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.4332, 0.2362, 0.3703 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 73.4332, 0.2362, 0.3703 by changing the saturation by 10% instead.


 73.4332, 0.2362,
0.3703


 73.4332, 0.2362,
0.3703


472.5148, 0.2712,
0.3513

 54.3303, 0.2283,
0.3746


 124.0920, 0.2482,
0.3637

 38.8658, 0.2187,
0.3799


 156.4166, 0.2530,
0.3612


 26.6553, 0.2067,
0.3866


 193.9173, 0.2570,
0.3589

 17.3145, 0.1912,
0.3952

 236.9784, 0.2606,
0.3570

 10.4590, 0.1708,
0.4067

 285.9843, 0.2637,
0.3553

 5.7043, 0.1427,
0.4227

341.3194, 0.2665,

 2.6661, 0.0994,

0.3538

0.4478

403.3681, 0.2690,
0.3525

■ 0.9600, 0.0000,
0.5049

■ 0.0000, 0.0000,
0.0000

■ 73.4332, 0.2362,
0.3703

■ 73.4332, 0.2362,
0.3703

■ 73.4355, 0.2362,
0.3703

■ 73.8121, 0.2363,
0.3658

■ 74.4565, 0.2379,
0.3613

■ 75.4505, 0.2414,
0.3568

■ 76.8437, 0.2468,
0.3523

■ 78.6774, 0.2542,
0.3479

■ 80.9879, 0.2634,
0.3436

■ 83.8077, 0.2741,
0.3395

■ 87.1663, 0.2861,
0.3357

■ 91.0912, 0.2991,
0.3322

Harmonies

Analogous

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



73.4332, 0.2928, 0.4314



73.4332, 0.2362, 0.3703



73.4332, 0.2021, 0.3011

Triad

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



73.4332, 0.2362, 0.3703



73.4332, 0.2581, 0.2283



73.4332, 0.4451, 0.3876

Complementary

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



73.4332, 0.2362, 0.3703



20.4300, 0.6266, 0.3226

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.



73.4332, 0.4370, 0.3367



73.4332, 0.2362, 0.3703



73.4332, 0.3218, 0.2502

Square

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



73.4332, 0.2362, 0.3703



73.4332, 0.2141, 0.2275



73.4332, 0.3898, 0.2884



73.4332, 0.4145, 0.4319

Rectangle

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



73.4332, 0.2362, 0.3703



73.4332, 0.1944, 0.2648



73.4332, 0.3898, 0.2884



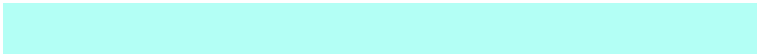
73.4332, 0.4471, 0.3708

Sweetspot

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



73.4360, 0.2362, 0.3703



87.6494, 0.2741, 0.3395



68.7033, 0.3030, 0.5976



18.4800, 0.2694, 0.3412



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.



73.4360, 0.2362, 0.3703



76.8128, 0.2362, 0.3704



31.4756, 0.1894, 0.2018



19.5681, 0.2997, 0.3320



38.9662, 0.2360, 0.3696



3.6193, 0.2345, 0.3642

Inverse Universe

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



20.4300, 0.6266, 0.3226



21.3678, 0.6268, 0.3226



27.9257, 0.5821, 0.3760



17.2614, 0.3274, 0.3260



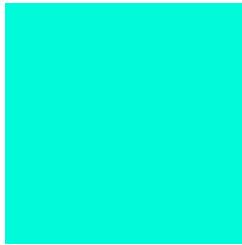
10.8471, 0.6240, 0.3211



1.0156, 0.5977, 0.3066

Previews

White Background



This preview shows how the Yxy color 73.4332, 0.2362, 0.3703 looks on a white background.

Color Contrast Check

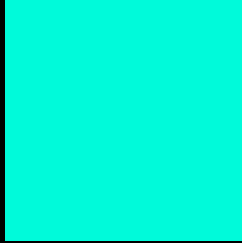
Large Text (above 18pt) WCAG AA × Fail

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 73.4332, 0.2362, 0.3703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

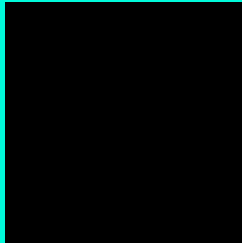
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.4332, 0.2362, 0.3703

Background



This preview shows how black text looks on a background with the Yxy color 73.4332, 0.2362, 0.3703.

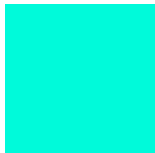


This preview shows how white text looks on a background with the Yxy color 73.4332, 0.2362, 0.3703.

Color Blindness Simulation

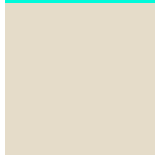
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



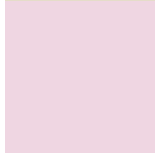
Original Color

73.4332, 0.2362, 0.3703



Protanopia

72.0615, 0.3322, 0.3497



Deuteranopia

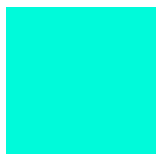
71.9348, 0.3228, 0.3165



Tritanopia

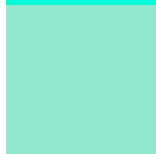
73.0906, 0.2415, 0.3100

Trichromacy



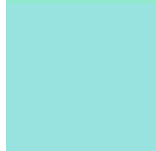
Original Color

73.4332, 0.2362, 0.3703



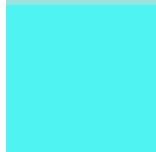
Protanomaly

67.7678, 0.2737, 0.3588



Deuteranomaly

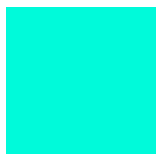
66.9413, 0.2679, 0.3337



Tritanomaly

72.1317, 0.2343, 0.3300

Monochromacy



Original Color

73.4332, 0.2362, 0.3703



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

48.2339, 0.2583, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4332, 0.2362, 0.3703 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 218) }
```

Border

The CSS property to change the border of an element to Yxy 73.4332, 0.2362, 0.3703 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, 218) }
```

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

```
.border{ border-color:rgb(0, 250, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4332, 0.2362, 0.3703 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, 218) }
```

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

```
.background{ background-color: rgb(0, 250,  
218) }
```

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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