

Converting Colors

$Y_{xy}(73.8290, 0.2318, 0.3497)$

Have a look what the booklet for
Yxy(73.8290, 0.2318, 0.3497)
contains.

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Color

Yxy(73.7972, 0.2320, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	1BF9E8
RGB	27, 249, 232
RGB Percent	11%, 98%, 91%
CMY	0.8958, 0.0236, 0.0903
CMYK	0.89, 0.00, 0.07, 0.02
HSL	175°, 95%, 54%
HSV	175°, 89%, 98%
XYZ	48.8751, 73.7972, 87.9963
YIQ	180.6840, -126.8550, -52.3510

Conversions

Conversions Part 2

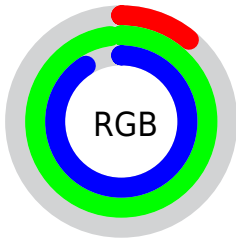
Format	Color
R _Y B	27, 142, 249
Decimal	1833448
CIE Lab	88.83, -51.26, -5.56
CIE LCh	89, 51.562, 186.188
Yxy	73.7972, 0.2320, 0.3503
Android (android.graphics.Color)	4280023528 (0xFF1BF9E8)
YUV	180.6840, 25.2988, -134.7809
Hunter-Lab	85.9053, -48.7782, -0.5994

Details

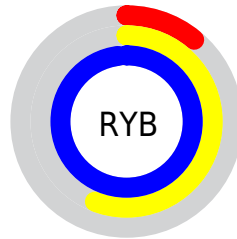
The Yxy color **73.7972, 0.2320, 0.3503** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.0817, 0.6111, 0.3229**, and the grayscale version is **45.8647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **40.8339, 0.2319, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **73.4759, 0.2314, 0.3529**, and if you desaturate by 10%, it is **74.3977, 0.2341, 0.3477**.

Distribution



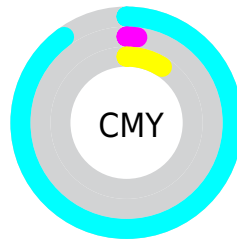
- Red (11%)
- Green (98%)
- Blue (91%)



- Red (11%)
- Yellow (56%)
- Blue (98%)



- Cyan (89%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)





- Cyan (90%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7972, 0.2320, 0.3503 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 73.7972, 0.2320, 0.3503 by changing the saturation by 10% instead.


 73.7972, 0.2320,
0.3503


 73.7972, 0.2320,
0.3503


473.7731, 0.2685,
0.3412


 54.6281, 0.2239,
0.3522


 124.6083, 0.2445,
0.3473

 39.1040, 0.2141,
0.3544

 157.0190, 0.2494,
0.3461

 26.8407, 0.2019,
0.3570

 194.6124, 0.2536,
0.3450

 17.4536, 0.1863,
0.3601

 237.7729, 0.2573,
0.3441

 10.5584, 0.1660,
0.3638

286.8848, 0.2606,
0.3433

 5.7707, 0.1387,
0.3679

342.3325, 0.2635,

 2.7062, 0.1002,

0.3425

0.3718

404.5005, 0.2661,
0.3418

■ 0.9803, 0.0000,
0.3890

■ 0.0000, 0.0000,
0.0000

■ 73.7972, 0.2320,
0.3503

■ 73.7972, 0.2320,
0.3503

■ 73.4759, 0.2314,
0.3529


■ 74.3977, 0.2341,
0.3477

■ 73.4580, 0.2314,
0.3530

■ 75.3433, 0.2381,
0.3451

■ 76.6850, 0.2441,
0.3425


■ 78.4636, 0.2520,
0.3399

 80.7145, 0.2617,
0.3374

 83.4697, 0.2730,
0.3351

 86.7584, 0.2856,
0.3328

 90.6075, 0.2993,
0.3308

 95.0420, 0.3137,
0.3289

Harmonies

Analogous

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



73.7972, 0.2802, 0.4103



73.7972, 0.2320, 0.3503



73.7972, 0.2063, 0.2900

Triad

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



73.7972, 0.2320, 0.3503



73.7972, 0.2763, 0.2390



73.7972, 0.4305, 0.3957

Complementary

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



73.7972, 0.2320, 0.3503



21.0817, 0.6111, 0.3229

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.



73.7972, 0.4323, 0.3492



73.7972, 0.2320, 0.3503



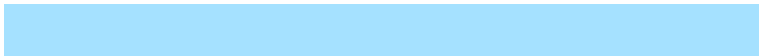
73.7972, 0.3378, 0.2638

Square

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



73.7972, 0.2320, 0.3503



73.7972, 0.2299, 0.2332



73.7972, 0.3972, 0.3027



73.7972, 0.3954, 0.4318

Rectangle

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



73.7972, 0.2320, 0.3503



73.7972, 0.2032, 0.2603



73.7972, 0.3972, 0.3027



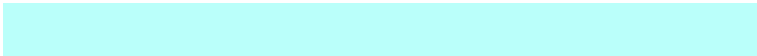
73.7972, 0.4352, 0.3807

Sweetspot

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



73.8000, 0.2320, 0.3503



88.8633, 0.2758, 0.3345



68.3852, 0.3033, 0.5901



18.7849, 0.2717, 0.3353



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.



73.8000, 0.2320, 0.3503



77.5468, 0.2314, 0.3531



30.9501, 0.1909, 0.2004



19.5843, 0.2991, 0.3308



39.3326, 0.2313, 0.3526



3.6495, 0.2304, 0.3495

Inverse Universe

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



21.0817, 0.6111, 0.3229



21.3088, 0.6340, 0.3266



33.4684, 0.5436, 0.3965



17.2467, 0.3282, 0.3272



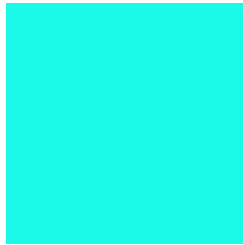
10.8134, 0.6320, 0.3255



1.0087, 0.6139, 0.3155

Previews

White Background



This preview shows how the Yxy color 73.7972, 0.2320, 0.3503 looks on a white background.

Color Contrast Check

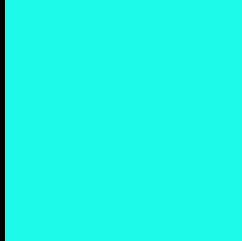
Large Text (above 18pt) WCAG AA × Fail

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 73.7972, 0.2320, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

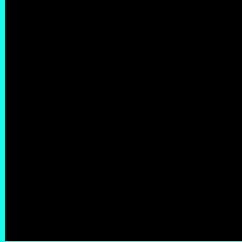
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.7972, 0.2320, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 73.7972, 0.2320, 0.3503.

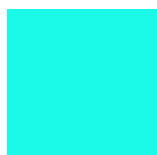


This preview shows how white text looks on a background with the Yxy color 73.7972, 0.2320, 0.3503.

Color Blindness Simulation

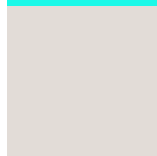
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



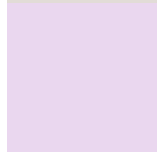
Original Color

73.8106, 0.2320, 0.3503



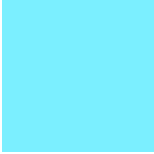
Protanopia

72.2614, 0.3204, 0.3344



Deuteranopia

72.3253, 0.3103, 0.3041



Tritanopia

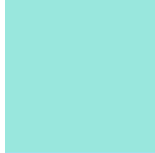
73.1640, 0.2419, 0.3101

Trichromacy



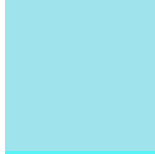
Original Color

73.8106, 0.2320, 0.3503



Protanomaly

69.1446, 0.2701, 0.3410



Deuteranomaly

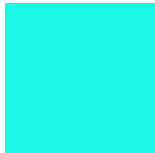
68.3652, 0.2649, 0.3182



Tritanomaly

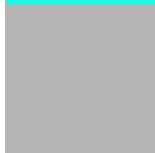
72.8913, 0.2349, 0.3239

Monochromacy



Original Color

73.8106, 0.2320, 0.3503



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

52.6727, 0.2621, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7972, 0.2320, 0.3503 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(27, 249, 232)` looks like.

```
.text, #text, p{  
    color:rgb(27, 249, 232)  
}
```

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(27, 249, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 249, 232) }
```

Border

The CSS property to change the border of an element to Yxy 73.7972, 0.2320, 0.3503 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(27, 249, 232) }
```

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

```
.border{ border-color:rgb(27, 249, 232) }
```

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

Here you see how a box with a 4 pixel rgb(27, 249, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 249, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 249, 232);  
box-shadow:4px 4px 4px 4px rgb(27, 249,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7972, 0.2320, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 249, 232) }
```

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

```
.background{ background-color: rgb(27, 249,  
232) }
```

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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