

Converting Colors

$Y_{xy}(72.3587, 0.2314, 0.3531)$

Have a look what the booklet for
Yxy(72.3587, 0.2314, 0.3531)
contains.

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Color

Yxy(72.1230, 0.2314, 0.3532)

Conversions

Conversions Part 1

Format	Color
Hex	00F7E4
RGB	0, 247, 228
RGB Percent	0%, 97%, 89%
CMY	1.0000, 0.0313, 0.1059
CMYK	1.00, 0.00, 0.08, 0.03
HSL	175°, 100%, 48%
HSV	175°, 100%, 97%
XYZ	47.2516, 72.1230, 84.8242
YIQ	170.9810, -141.1130, -58.2730

Conversions

Conversions Part 2

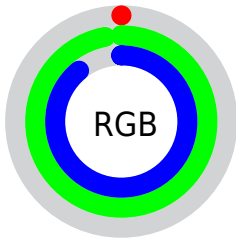
Format	Color
RYB	0, 128, 247
Decimal	63460
CIELab	88.03, -52.30, -4.67
CIELCh	88, 52.512, 185.102
Yxy	72.1230, 0.2314, 0.3532
Android (android.graphics.Color)	4278253540 (0xFF00F7E4)
YUV	170.9810, 28.1104, -149.9503
Hunter-Lab	84.9253, -49.3035, 0.2283

Details

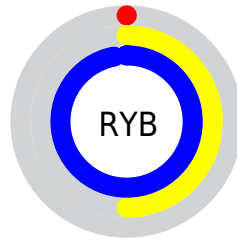
The Yxy color **72.1230, 0.2314, 0.3532** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.8245, 0.6337, 0.3265**, and the grayscale version is **40.6290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **39.8440, 0.2325, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **72.1337, 0.2315, 0.3532**, and if you desaturate by 10%, it is **72.4428, 0.2320, 0.3506**.

Distribution



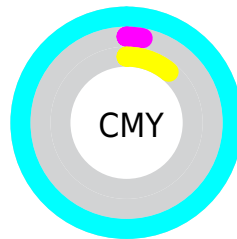
- Red (0%)
- Green (97%)
- Blue (89%)



- Red (0%)
- Yellow (50%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1230, 0.2314, 0.3532 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 72.1230, 0.2314, 0.3532 by changing the saturation by 10% instead.

 72.1230, 0.2314,
0.3532

 72.1230, 0.2314,
0.3532


467.9696, 0.2683,
0.3427


 53.2592, 0.2232,
0.3554


 122.2314, 0.2441,
0.3497


 38.0097, 0.2132,
0.3581


 154.2447, 0.2490,
0.3483

 25.9902, 0.2007,
0.3612

 191.4100, 0.2533,
0.3471

 16.8163, 0.1848,
0.3651

 234.1117, 0.2571,
0.3460

 10.1036, 0.1639,
0.3698

 282.7340, 0.2604,
0.3450

 5.4677, 0.1356,
0.3754

337.6616, 0.2633,

 2.5242, 0.0939,

0.3442

0.3823

399.2786, 0.2660,
0.3434

■ 0.8887, 0.0000,
0.4000

■ 0.0000, 0.0000,
0.0000

■ 72.1230, 0.2314,
0.3532

■ 72.1230, 0.2314,
0.3532

■ 72.1337, 0.2315,
0.3532

■ 72.4428, 0.2320,
0.3506

■ 73.0104, 0.2340,
0.3480

■ 73.9159, 0.2379,
0.3454

■ 75.2075, 0.2437,
0.3427

■ 76.9252, 0.2515,
0.3401

■ 79.1043, 0.2610,
0.3376

■ 81.7763, 0.2722,
0.3352

■ 84.9699, 0.2848,
0.3330

■ 88.7117, 0.2984,
0.3309

Harmonies

Analogous

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



72.1230, 0.2813, 0.4145



72.1230, 0.2314, 0.3532



72.1230, 0.2043, 0.2908

Triad

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



72.1230, 0.2314, 0.3532



72.1230, 0.2733, 0.2364



72.1230, 0.4341, 0.3953

Complementary

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



72.1230, 0.2314, 0.3532



19.8245, 0.6337, 0.3265

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.



72.1230, 0.4347, 0.3476



72.1230, 0.2314, 0.3532



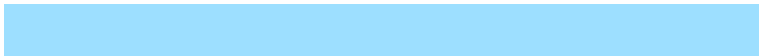
72.1230, 0.3360, 0.2611

Square

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



72.1230, 0.2314, 0.3532



72.1230, 0.2266, 0.2311



72.1230, 0.3975, 0.3004



72.1230, 0.3991, 0.4333

Rectangle

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



72.1230, 0.2314, 0.3532



72.1230, 0.2006, 0.2598



72.1230, 0.3975, 0.3004



72.1230, 0.4386, 0.3799

Sweetspot

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



72.1337, 0.2315, 0.3532



87.8906, 0.2722, 0.3353



66.6875, 0.3014, 0.5989



18.5385, 0.2673, 0.3363



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.



72.1337, 0.2315, 0.3532



77.5391, 0.2315, 0.3532



26.6915, 0.1844, 0.1838



18.7345, 0.2991, 0.3308



38.1525, 0.2313, 0.3528



3.3597, 0.2304, 0.3495

Inverse Universe

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



19.8245, 0.6337, 0.3265



21.3092, 0.6339, 0.3266



29.4628, 0.5679, 0.3873



16.5032, 0.3282, 0.3272



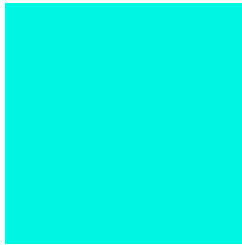
10.4905, 0.6318, 0.3254



0.9290, 0.6127, 0.3149

Previews

White Background



This preview shows how the Yxy color 72.1230, 0.2314, 0.3532 looks on a white background.

Color Contrast Check

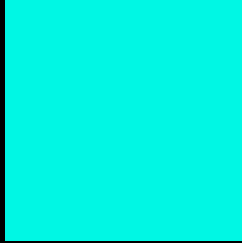
Large Text (above 18pt) WCAG AA × Fail

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 72.1230, 0.2314, 0.3532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

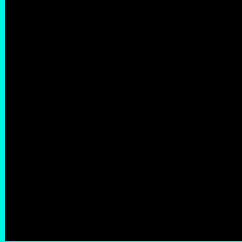
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1230, 0.2314, 0.3532

Background



This preview shows how black text looks on a background with the Yxy color 72.1230, 0.2314, 0.3532.

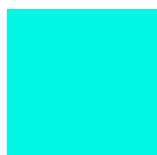


This preview shows how white text looks on a background with the Yxy color 72.1230, 0.2314, 0.3532.

Color Blindness Simulation

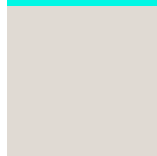
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



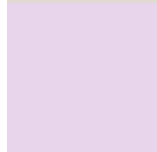
Original Color

72.1230, 0.2314, 0.3532



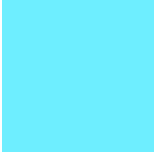
Protanopia

70.6932, 0.3218, 0.3367



Deuteranopia

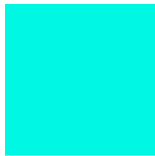
70.8004, 0.3110, 0.3049



Tritanopia

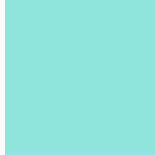
71.6841, 0.2370, 0.3086

Trichromacy



Original Color

72.1230, 0.2314, 0.3532



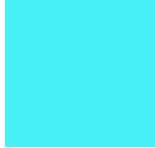
Protanomaly

66.8880, 0.2666, 0.3438



Deuteranomaly

66.0295, 0.2603, 0.3192



Tritanomaly

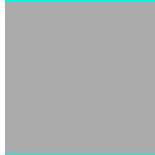
70.8053, 0.2308, 0.3238

Monochromacy



Original Color

72.1230, 0.2314, 0.3532



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

47.9038, 0.2564, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1230, 0.2314, 0.3532 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, 247, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 228)  
}
```

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, 247, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 228) }
```

Border

The CSS property to change the border of an element to Yxy 72.1230, 0.2314, 0.3532 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, 247, 228) }
```

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

```
.border{ border-color:rgb(0, 247, 228) }
```

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

Here you see how a box with a 4 pixel rgb(0, 247, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1230, 0.2314, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 228) }
```

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

```
.background{ background-color: rgb(0, 247,  
228) }
```

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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