

Converting Colors

$Y_{xy}(71.7352, 0.2248, 0.3293)$

Have a look what the booklet for
Yxy(71.7352, 0.2248, 0.3293)
contains.

Yxy(71.8365, 0.2250, 0.3300)	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(71.8365, 0.2250, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	00F5F4
RGB	0, 245, 244
RGB Percent	0%, 96%, 96%
CMY	1.0000, 0.0392, 0.0431
CMYK	1.00, 0.00, 0.00, 0.04
HSL	180°, 100%, 48%
HSV	180°, 100%, 96%
XYZ	48.9794, 71.8365, 96.8704
YIQ	171.6310, -145.6990, -52.2510

Conversions

Conversions Part 2

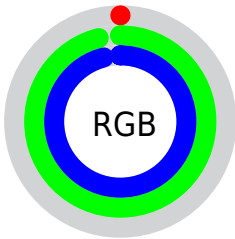
Format	Color
RYB	0, 123, 245
Decimal	62964
CIELab	87.89, -46.94, -13.24
CIELCh	88, 48.769, 195.748
Yxy	71.8365, 0.2250, 0.3300
Android (android.graphics.Color)	4278253044 (0xFF00F5F4)
YUV	171.6310, 35.6779, -150.5204
Hunter-Lab	84.7564, -45.1713, -8.4347

Details

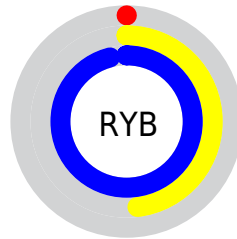
The Yxy color **71.8365, 0.2250, 0.3300** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.4157, 0.6398, 0.3298**, and the grayscale version is **40.9321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **39.5973, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **71.8400, 0.2250, 0.3300**, and if you desaturate by 10%, it is **72.0465, 0.2261, 0.3299**.

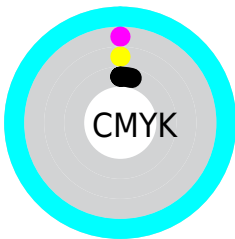
Distribution



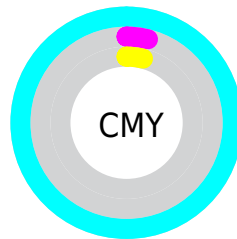
- Red (0%)
- Green (96%)
- Blue (96%)



- Red (0%)
- Yellow (48%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8365, 0.2250, 0.3300 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 71.8365, 0.2250, 0.3300 by changing the saturation by 10% instead.

 71.8365, 0.2250,
0.3300


 71.8365, 0.2250,
0.3300

466.9723, 0.2644,
0.3309


 53.0251, 0.2164,
0.3295


 121.8240, 0.2384,
0.3305


 37.8228, 0.2059,
0.3287


 153.7690, 0.2437,
0.3307


 25.8452, 0.1929,
0.3275


 190.8606, 0.2483,
0.3308

 16.7079, 0.1766,
0.3254

 233.4833, 0.2523,
0.3308

 10.0264, 0.1554,
0.3219

 282.0214, 0.2559,
0.3309

 5.4165, 0.1274,
0.3155

336.8593, 0.2590,

 2.4936, 0.0894,

0.3309

398.3815, 0.2619,
0.3309

0.3026

0.8735, 0.0000,
0.2847

0.0000, 0.0000,
0.0000

71.8365, 0.2250,
0.3300

71.8365, 0.2250,
0.3300

71.8400, 0.2250,
0.3300

72.0465, 0.2261,
0.3299

72.5052, 0.2287,
0.3298

73.2945, 0.2330,
0.3296

74.4613, 0.2393,
0.3295

■ 76.0450, 0.2476,
0.3294

■ 78.0801, 0.2577,
0.3293

■ 80.5975, 0.2696,
0.3292

■ 83.6254, 0.2829,
0.3291

■ 87.1898, 0.2974,
0.3291

Harmonies

Analogous

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



71.8365, 0.2652, 0.3900



71.8365, 0.2250, 0.3300



71.8365, 0.2078, 0.2772

Triad

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



71.8365, 0.2250, 0.3300



71.8365, 0.2958, 0.2484



71.8365, 0.4177, 0.4060

Complementary

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



71.8365, 0.2250, 0.3300



19.4157, 0.6398, 0.3298

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.



71.8365, 0.4303, 0.3634



71.8365, 0.2250, 0.3300



71.8365, 0.3561, 0.2772

Square

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



71.8365, 0.2250, 0.3300



71.8365, 0.2454, 0.2366



71.8365, 0.4074, 0.3178



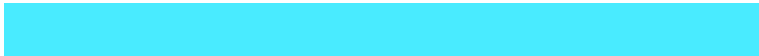
71.8365, 0.3767, 0.4336

Rectangle

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



71.8365, 0.2250, 0.3300



71.8365, 0.2100, 0.2534



71.8365, 0.4074, 0.3178



71.8365, 0.4256, 0.3927

Sweetspot

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



71.8400, 0.2250, 0.3300



88.2440, 0.2695, 0.3292



65.3347, 0.3002, 0.5998



18.6246, 0.2643, 0.3292



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.



71.8400, 0.2250, 0.3300



78.6727, 0.2250, 0.3300



21.6651, 0.1779, 0.1605



18.7566, 0.2981, 0.3291



38.7001, 0.2250, 0.3300



3.4017, 0.2250, 0.3298

Inverse Universe

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



19.4157, 0.6398, 0.3298



21.2623, 0.6398, 0.3298



32.4694, 0.5483, 0.4029



16.4836, 0.3293, 0.3290



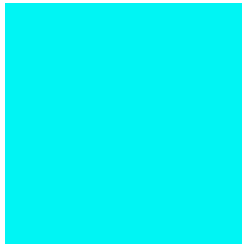
10.4596, 0.6396, 0.3297



0.9197, 0.6385, 0.3291

Previews

White Background



This preview shows how the Yxy color 71.8365, 0.2250, 0.3300 looks on a white background.

Color Contrast Check

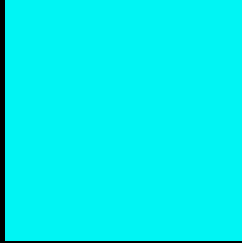
Large Text (above 18pt) WCAG AA × Fail

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 71.8365, 0.2250, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

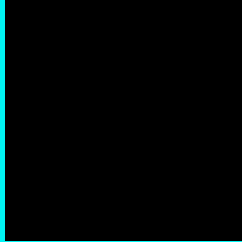
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8365, 0.2250, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 71.8365, 0.2250, 0.3300.



This preview shows how white text looks on a background with the Yxy color 71.8365, 0.2250, 0.3300.

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

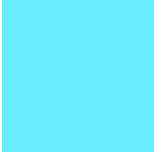
71.8365, 0.2250, 0.3300

Protanopia

70.3874, 0.3082, 0.3181

Deuteranopia

70.4008, 0.2956, 0.2892



Tritanopia

71.3723, 0.2354, 0.3085

Trichromacy



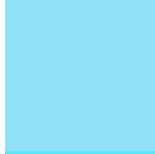
Original Color

71.8365, 0.2250, 0.3300



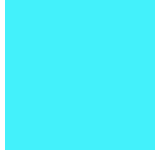
Protanomaly

66.3968, 0.2566, 0.3215



Deuteranomaly

66.4674, 0.2504, 0.3016



Tritanomaly

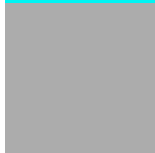
71.0689, 0.2279, 0.3165

Monochromacy



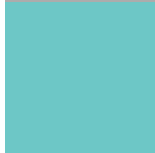
Original Color

71.8365, 0.2250, 0.3300



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

48.1753, 0.2531, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8365, 0.2250, 0.3300 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, 245, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 244)  
}
```

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, 245, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 244) }
```

Border

The CSS property to change the border of an element to Yxy 71.8365, 0.2250, 0.3300 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, 245, 244) }
```

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

```
.border{ border-color:rgb(0, 245, 244) }
```

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

Here you see how a box with a 4 pixel rgb(0, 245, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8365, 0.2250, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 244) }
```

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

```
.background{ background-color: rgb(0, 245,  
244) }
```

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