

Converting Colors

$Y_{xy}(100.0000, 0.2249, 0.3740)$

Have a look what the booklet for
Yxy(100.0000, 0.2249, 0.3740)
contains.

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Color

Yxy(78.4850, 0.2260, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	00FFFB
RGB	0, 255, 251
RGB Percent	0%, 100%, 98%
CMY	1.0000, 0.0000, 0.0157
CMYK	1.00, 0.00, 0.02, 0.00
HSL	179°, 100%, 50%
HSV	179°, 100%, 100%
XYZ	53.1703, 78.4850, 103.6115
YIQ	178.2990, -150.6960, -55.3040

Conversions

Conversions Part 2

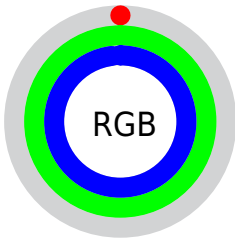
Format	Color
RYB	0, 129, 255
Decimal	65531
CIELab	91.00, -49.23, -12.23
CIELCh	91, 50.724, 193.958
Yxy	78.4850, 0.2260, 0.3336
Android (android.graphics.Color)	4278255611 (0xFF00FFFB)
YUV	178.2990, 35.8416, -156.3682
Hunter-Lab	88.5918, -47.9049, -7.3277

Details

The Yxy color **78.4850, 0.2260, 0.3336** 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 **21.2688, 0.6390, 0.3294**, and the grayscale version is **44.5535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **43.8726, 0.2255, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **78.4850, 0.2260, 0.3336**, and if you desaturate by 10%, it is **78.7233, 0.2270, 0.3331**.

Distribution



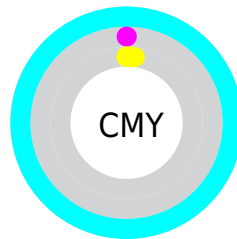
- Red (0%)
- Green (100%)
- Blue (98%)



- Red (0%)
- Yellow (51%)
- Blue (100%)



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




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4850, 0.2260, 0.3336 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 78.4850, 0.2260, 0.3336 by changing the saturation by 10% instead.


 78.4850, 0.2260,
0.3336


 78.4850, 0.2260,
0.3336


489.8124, 0.2644,
0.3327

 58.4725, 0.2177,
0.3335


 131.2336, 0.2390,
0.3335


 42.1886, 0.2077,
0.3333


 164.7385, 0.2441,
0.3334

 29.2490, 0.1954,
0.3327


 203.5096, 0.2486,
0.3333

 19.2693, 0.1799,
0.3316

 247.9313, 0.2525,
0.3332

 11.8650, 0.1602,
0.3296

298.3880, 0.2560,
0.3331

 6.6518, 0.1342,
0.3255

355.2642, 0.2591,

 3.2453, 0.0995,

0.3330

0.3167

418.9442, 0.2619,
0.3329

■ 1.2611, 0.0000,
0.3132

■ 0.1108, 0.0000,
0.1019

■ 78.4850, 0.2260,
0.3336

■ 78.7233, 0.2270,
0.3331

■ 79.2394, 0.2294,
0.3326

■ 80.1180, 0.2337,
0.3321

■ 81.4111, 0.2399,
0.3316

83.1623, 0.2481,
0.3311

85.4097, 0.2582,
0.3306

88.1872, 0.2699,
0.3302

91.5259, 0.2831,
0.3297

95.4546, 0.2975,
0.3294

Harmonies

Analogous

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



78.4850, 0.2678, 0.3939



78.4850, 0.2260, 0.3336



78.4850, 0.2072, 0.2793

Triad

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



78.4850, 0.2260, 0.3336



78.4850, 0.2921, 0.2465



78.4850, 0.4204, 0.4043

Complementary

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



78.4850, 0.2260, 0.3336



21.2688, 0.6390, 0.3294

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.



78.4850, 0.4310, 0.3608



78.4850, 0.2260, 0.3336



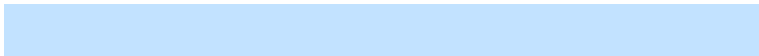
78.4850, 0.3529, 0.2746

Square

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



78.4850, 0.2260, 0.3336



78.4850, 0.2424, 0.2357



78.4850, 0.4058, 0.3150



78.4850, 0.3802, 0.4337

Rectangle

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



78.4850, 0.2260, 0.3336



78.4850, 0.2084, 0.2544



78.4850, 0.4058, 0.3150



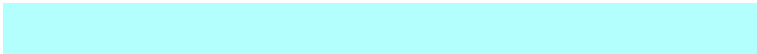
78.4850, 0.4277, 0.3907

Sweetspot

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



78.4850, 0.2260, 0.3336



88.1872, 0.2699, 0.3302



71.5474, 0.3002, 0.5998



18.6108, 0.2648, 0.3304



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.



78.4850, 0.2260, 0.3336



23.6548, 0.1778, 0.1601



20.4763, 0.2982, 0.3293



41.0124, 0.2260, 0.3335



3.9947, 0.2258, 0.3329

Inverse Universe

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



21.2688, 0.6390, 0.3294



35.4880, 0.5486, 0.4026



17.9917, 0.3292, 0.3287



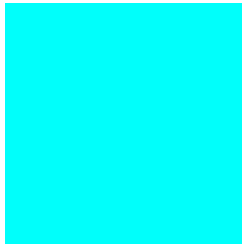
11.1154, 0.6385, 0.3291



1.0838, 0.6347, 0.3270

Previews

White Background



This preview shows how the Yxy color 78.4850, 0.2260, 0.3336 looks on a white background.

Color Contrast Check

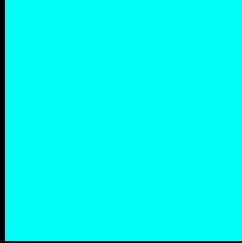
Large Text (above 18pt) WCAG AA × Fail

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 78.4850, 0.2260, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

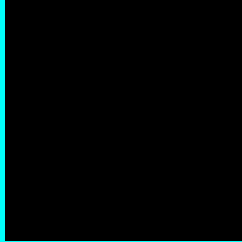
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

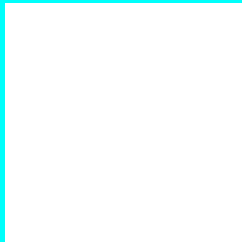
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4850, 0.2260, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 78.4850, 0.2260, 0.3336.

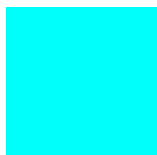


This preview shows how white text looks on a background with the Yxy color 78.4850, 0.2260, 0.3336.

Color Blindness Simulation

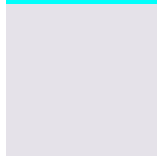
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



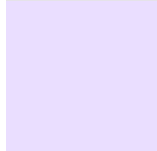
Original Color

78.4850, 0.2260, 0.3336



Protanopia

76.9339, 0.3103, 0.3217



Deuteranopia

76.9550, 0.2999, 0.2955



Tritanopia

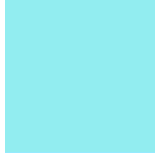
77.6928, 0.2561, 0.3142

Trichromacy



Original Color

78.4850, 0.2260, 0.3336



Protanomaly

72.9706, 0.2580, 0.3253



Deuteranomaly

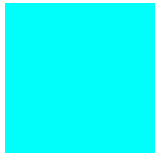
72.3910, 0.2523, 0.3058



Tritanomaly

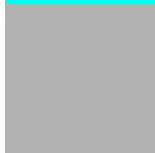
76.3299, 0.2364, 0.3205

Monochromacy



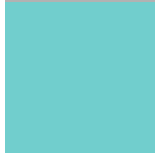
Original Color

78.4850, 0.2260, 0.3336



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

52.0611, 0.2531, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4850, 0.2260, 0.3336 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, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 251)  
}
```

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, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 78.4850, 0.2260, 0.3336 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, 255, 251) }
```

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

```
.border{ border-color:rgb(0, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
251) }
```

Background

The CSS property to change the background color of an element to Yxy 78.4850, 0.2260, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 251) }
```

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

```
.background{ background-color: rgb(0, 255,  
251) }
```

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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