

Converting Colors

$Y_{xy}(78.5769, 0.2259, 0.3325)$

Have a look what the booklet for
Yxy(78.5769, 0.2259, 0.3325)
contains.

Yxy(78.5870, 0.2259, 0.3324)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.5870, 0.2259, 0.3324)

Conversions

Conversions Part 1

Format	Color
Hex	07FFFC
RGB	7, 255, 252
RGB Percent	3%, 100%, 99%
CMY	0.9739, 0.0000, 0.0119
CMYK	0.97, 0.00, 0.01, 0.00
HSL	179°, 100%, 51%
HSV	179°, 97%, 100%
XYZ	53.4080, 78.5870, 104.4280
YIQ	180.5060, -146.8450, -53.5090

Conversions

Conversions Part 2

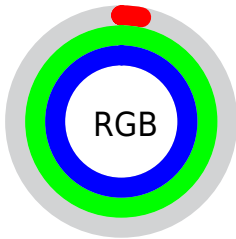
Format	Color
RYB	7, 132, 255
Decimal	524284
CIELab	91.05, -48.81, -12.67
CIELCh	91, 50.431, 194.551
Yxy	78.5870, 0.2259, 0.3324
Android (android.graphics.Color)	4278714364 (0xFF07FFFC)
YUV	180.5060, 35.2465, -152.1648
Hunter-Lab	88.6493, -47.5966, -7.7885

Details

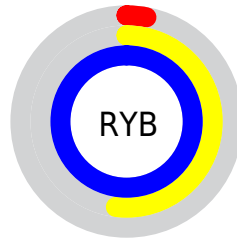
The Yxy color **78.5870, 0.2259, 0.3324** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.4257, 0.6362, 0.3295**, and the grayscale version is **45.7340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **43.8726, 0.2255, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **78.5416, 0.2257, 0.3325**, and if you desaturate by 10%, it is **78.8761, 0.2272, 0.3320**.

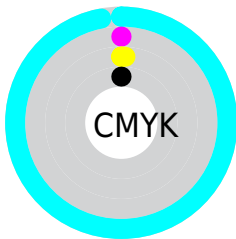
Distribution



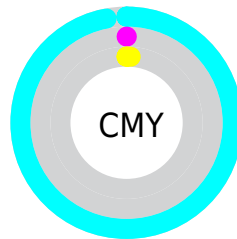
- Red (3%)
- Green (100%)
- Blue (99%)



- Red (3%)
- Yellow (52%)
- Blue (100%)



- Cyan (97%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (97%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5870, 0.2259, 0.3324 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 78.5870, 0.2259, 0.3324 by changing the saturation by 10% instead.


 78.5870, 0.2259,
0.3324

 78.5870, 0.2259,
0.3324


490.1581, 0.2643,
0.3321


 58.5563, 0.2176,
0.3322

 131.3773, 0.2389,
0.3325


 42.2561, 0.2076,
0.3318


 164.9057, 0.2440,
0.3325

 29.3018, 0.1953,
0.3310


 203.7020, 0.2485,
0.3325

 19.3093, 0.1799,
0.3297

 248.1509, 0.2524,
0.3324

 11.8940, 0.1602,
0.3273

298.6365, 0.2559,
0.3323

 6.6715, 0.1343,
0.3227


355.5433, 0.2590,


 3.2575, 0.0997,


0.3323

0.3133


419.2557, 0.2618,
0.3322


 1.2676, 0.0000,
0.3087

 0.1159, 0.0000,
0.1027


 78.5870, 0.2259,
0.3324


 78.5870, 0.2259,
0.3324


 78.5416, 0.2257,
0.3325


 78.8761, 0.2272,
0.3320


 79.4755, 0.2301,
0.3316


 80.4521, 0.2349,
0.3312


 81.8553, 0.2417,
0.3309

 83.7268, 0.2504,
0.3305

 86.1037, 0.2609,
0.3301

 89.0192, 0.2731,
0.3298

 92.5035, 0.2867,
0.3295

 96.5850, 0.3014,
0.3292

Harmonies

Analogous

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



78.5870, 0.2671, 0.3924



78.5870, 0.2259, 0.3324



78.5870, 0.2077, 0.2787

Triad

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



78.5870, 0.2259, 0.3324



78.5870, 0.2934, 0.2473



78.5870, 0.4192, 0.4047

Complementary

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



78.5870, 0.2259, 0.3324



21.4257, 0.6362, 0.3295

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.



78.5870, 0.4304, 0.3616



78.5870, 0.2259, 0.3324



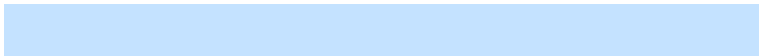
78.5870, 0.3538, 0.2756

Square

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



78.5870, 0.2259, 0.3324



78.5870, 0.2436, 0.2363



78.5870, 0.4061, 0.3160



78.5870, 0.3789, 0.4334

Rectangle

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



78.5870, 0.2259, 0.3324



78.5870, 0.2092, 0.2543



78.5870, 0.4061, 0.3160



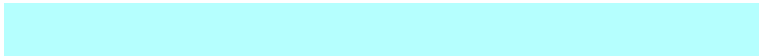
78.5870, 0.4267, 0.3912

Sweetspot

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



78.5897, 0.2259, 0.3324



88.5119, 0.2710, 0.3298



71.6044, 0.3003, 0.5984



18.6727, 0.2658, 0.3300



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.



78.5897, 0.2259, 0.3324



78.5416, 0.2257, 0.3325



24.5818, 0.1794, 0.1646



20.4774, 0.2982, 0.3293



41.0414, 0.2257, 0.3324



3.9972, 0.2256, 0.3320

Inverse Universe

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



21.4257, 0.6362, 0.3295



21.2668, 0.6392, 0.3295



36.3732, 0.5435, 0.4049



17.9907, 0.3293, 0.3288



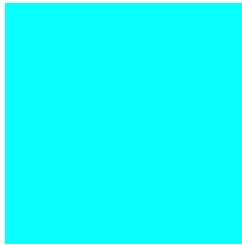
11.1139, 0.6388, 0.3293



1.0833, 0.6359, 0.3277

Previews

White Background



This preview shows how the Yxy color 78.5870, 0.2259, 0.3324 looks on a white background.

Color Contrast Check

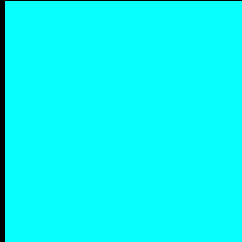
Large Text (above 18pt) WCAG AA × Fail

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 78.5870, 0.2259, 0.3324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

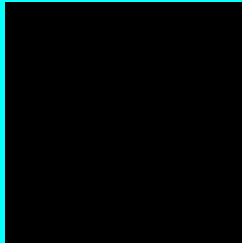
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.5870, 0.2259, 0.3324

Background



This preview shows how black text looks on a background with the Yxy color 78.5870, 0.2259, 0.3324.



This preview shows how white text looks on a background with the Yxy color 78.5870, 0.2259, 0.3324.

Color Blindness Simulation

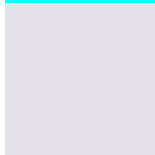
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

78.5934, 0.2259, 0.3324



Protanopia

76.9912, 0.3097, 0.3206



Deuteranopia

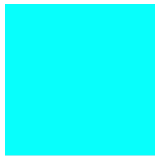
76.7862, 0.2993, 0.2955



Tritanopia

77.6928, 0.2561, 0.3142

Trichromacy



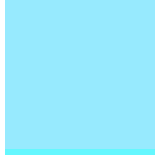
Original Color

78.5934, 0.2259, 0.3324



Protanomaly

73.2151, 0.2584, 0.3242



Deuteranomaly

72.5807, 0.2532, 0.3059



Tritanomaly

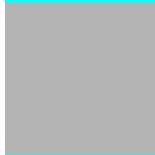
76.4440, 0.2370, 0.3205

Monochromacy



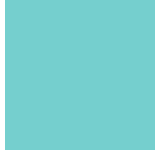
Original Color

78.5934, 0.2259, 0.3324



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.8638, 0.2548, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5870, 0.2259, 0.3324 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(7, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(7, 255, 252)  
}
```

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(7, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 255, 252) }
```

Border

The CSS property to change the border of an element to Yxy 78.5870, 0.2259, 0.3324 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(7, 255, 252) }
```

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

```
.border{ border-color:rgb(7, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(7, 255,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5870, 0.2259, 0.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 255, 252) }
```

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

```
.background{ background-color: rgb(7, 255,  
252) }
```

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