

Converting Colors

$Y_{xy}(67.9871, 0.2258, 0.3330)$

Have a look what the booklet for
Yxy(67.9871, 0.2258, 0.3330)
contains.

| | |
|--|----|
| Yxy(67.7891, 0.2257, 0.3326) | 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(67.7891, 0.2257, 0.3326)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00EFEC |
| RGB | 0, 239, 236 |
| RGB Percent | 0%, 94%, 93% |
| CMY | 1.0000, 0.0627, 0.0745 |
| CMYK | 1.00, 0.00, 0.01, 0.06 |
| HSL | 179°, 100%, 47% |
| HSV | 179°, 100%, 94% |
| XYZ | 46.0012, 67.7891, 90.0254 |
| YIQ | 167.1970, -141.4810, -51.6010 |

Conversions

Conversions Part 2

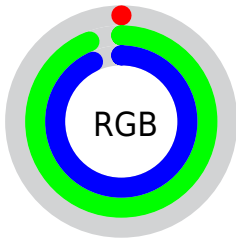
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 120, 239 |
| Decimal | 61420 |
| CIELab | 85.90, -46.66, -12.02 |
| CIELCh | 86, 48.185, 194.450 |
| Yxy | 67.7891, 0.2257, 0.3326 |
| Android (android.graphics.Color) | 4278251500 (0xFF00EFEC) |
| YUV | 167.1970, 33.9199, -146.6318 |
| Hunter-Lab | 82.3341, -44.3544, -7.1947 |

Details

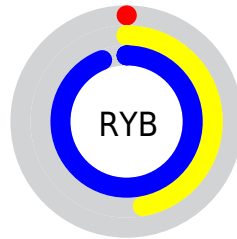
The Yxy color **67.7891, 0.2257, 0.3326** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.3591, 0.6391, 0.3294**, and the grayscale version is **38.6315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **36.7512, 0.2256, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **67.7960, 0.2257, 0.3326**, and if you desaturate by 10%, it is **68.0064, 0.2268, 0.3322**.

Distribution



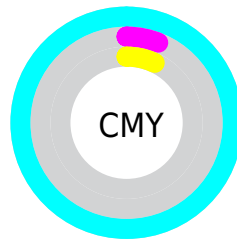
- Red (0%)
- Green (94%)
- Blue (93%)



- Red (0%)
- Yellow (47%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7891, 0.2257, 0.3326 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 67.7891, 0.2257, 0.3326 by changing the saturation by 10% instead.


 67.7891, 0.2257,
0.3326

 67.7891, 0.2257,
0.3326


452.7484, 0.2653,
0.3322


 49.7262, 0.2169,
0.3324


 116.0504, 0.2392,
0.3327


 35.1959, 0.2062,
0.3319


 147.0175, 0.2446,
0.3327

 23.8138, 0.1929,
0.3311


 183.0549, 0.2492,
0.3326

 15.1956, 0.1760,
0.3296

 224.5468, 0.2532,
0.3325

 8.9567, 0.1539,
0.3267

 271.8778, 0.2567,
0.3325

 4.7130, 0.1244,
0.3210

325.4321, 0.2599,

 2.0799, 0.0796,

0.3324

0.3099

385.5942, 0.2627,
0.3323

■ 0.6533, 0.0000,
0.2801

■ 0.0000, 0.0000,
0.0000

■ 67.7891, 0.2257,
0.3326

■ 67.7891, 0.2257,
0.3326

■ 67.7960, 0.2257,
0.3326

■ 68.0064, 0.2268,
0.3322

■ 68.4545, 0.2293,
0.3318

■ 69.2147, 0.2336,
0.3314

■ 70.3313, 0.2399,
0.3310

■ 71.8413, 0.2481,
0.3306

■ 73.7771, 0.2582,
0.3303

■ 76.1677, 0.2699,
0.3299

■ 79.0398, 0.2831,
0.3296

■ 82.4177, 0.2975,
0.3293

Harmonies

Analogous

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



67.7891, 0.2671, 0.3928



67.7891, 0.2257, 0.3326



67.7891, 0.2074, 0.2787

Triad

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



67.7891, 0.2257, 0.3326



67.7891, 0.2931, 0.2470



67.7891, 0.4197, 0.4048

Complementary

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



67.7891, 0.2257, 0.3326



18.3591, 0.6391, 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.



67.7891, 0.4309, 0.3615



67.7891, 0.2257, 0.3326



67.7891, 0.3538, 0.2753

Square

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



67.7891, 0.2257, 0.3326



67.7891, 0.2432, 0.2360



67.7891, 0.4063, 0.3158



67.7891, 0.3793, 0.4337

Rectangle

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



67.7891, 0.2257, 0.3326



67.7891, 0.2088, 0.2541



67.7891, 0.4063, 0.3158



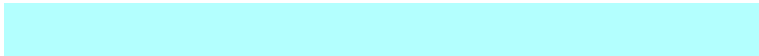
67.7891, 0.4272, 0.3912

Sweetspot

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



67.7960, 0.2257, 0.3326



88.2026, 0.2698, 0.3299



61.7648, 0.3003, 0.5998



18.6145, 0.2646, 0.3301



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.



67.7960, 0.2257, 0.3326



78.5357, 0.2257, 0.3326



20.5201, 0.1780, 0.1607



17.9254, 0.2983, 0.3293



37.4634, 0.2257, 0.3325



3.1177, 0.2256, 0.3320

Inverse Universe

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



18.3591, 0.6391, 0.3294



21.2670, 0.6392, 0.3295



30.7333, 0.5480, 0.4030



15.7621, 0.3291, 0.3288



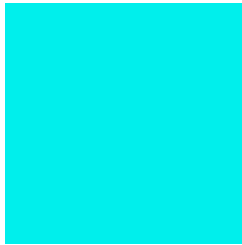
10.1461, 0.6387, 0.3292



0.8452, 0.6352, 0.3273

Previews

White Background



This preview shows how the Yxy color 67.7891, 0.2257, 0.3326 looks on a white background.

Color Contrast Check

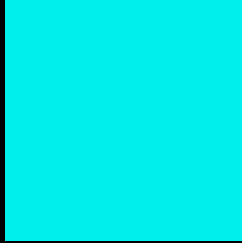
Large Text (above 18pt) WCAG AA × Fail

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 67.7891, 0.2257, 0.3326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

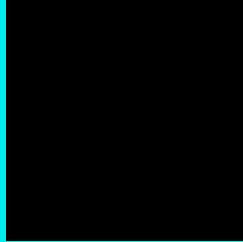
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7891, 0.2257, 0.3326

Background



This preview shows how black text looks on a background with the Yxy color 67.7891, 0.2257, 0.3326.

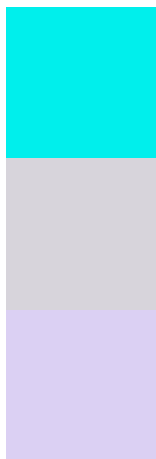


This preview shows how white text looks on a background with the Yxy color 67.7891, 0.2257, 0.3326.

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

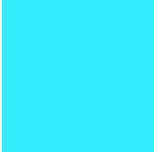
67.7891, 0.2257, 0.3326

Protanopia

66.6485, 0.3102, 0.3212

Deuteranopia

66.6429, 0.2971, 0.2914



Tritanopia

67.8890, 0.2220, 0.3053

Trichromacy



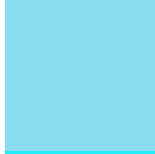
Original Color

67.7891, 0.2257, 0.3326



Protanomaly

62.9972, 0.2582, 0.3251



Deuteranomaly

62.4433, 0.2511, 0.3032



Tritanomaly

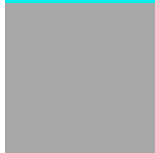
67.6528, 0.2226, 0.3149

Monochromacy



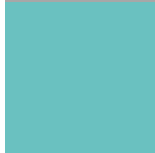
Original Color

67.7891, 0.2257, 0.3326



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

45.0099, 0.2534, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7891, 0.2257, 0.3326 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, 239, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 239, 236)  
}
```

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, 239, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 239, 236) }
```

Border

The CSS property to change the border of an element to Yxy 67.7891, 0.2257, 0.3326 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, 239, 236) }
```

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

```
.border{ border-color:rgb(0, 239, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 239, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 239, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 239, 236); box-shadow:4px 4px 4px 4px rgb(0, 239, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7891, 0.2257, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 239, 236) }
```

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

```
.background{ background-color: rgb(0, 239,  
236) }
```

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