

Converting Colors

$Y_{xy}(70.7610, 0.2515, 0.3334)$

Have a look what the booklet for
Yxy(70.7610, 0.2515, 0.3334)
contains.

Yxy(70.7367, 0.2515, 0.3337)	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(70.7367, 0.2515, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	7CEDE9
RGB	124, 237, 233
RGB Percent	49%, 93%, 91%
CMY	0.5134, 0.0706, 0.0863
CMYK	0.48, 0.00, 0.02, 0.07
HSL	178°, 76%, 71%
HSV	178°, 48%, 93%
XYZ	53.3122, 70.7367, 87.9280
YIQ	202.7570, -66.0640, -25.2000

Conversions

Conversions Part 2

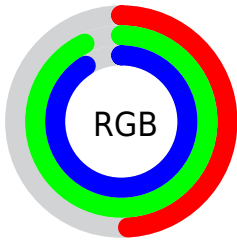
Format	Color
RYB	124, 182, 237
Decimal	8187369
CIELab	87.36, -33.15, -8.04
CIELCh	87, 34.116, 193.638
Yxy	70.7367, 0.2515, 0.3337
Android (android.graphics.Color)	4286377449 (0xFF7CEDE9)
YUV	202.7570, 14.9098, -69.0699
Hunter-Lab	84.1051, -34.0371, -3.1114

Details

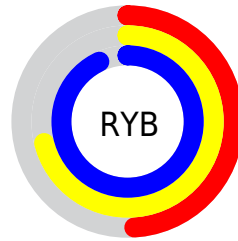
The Yxy color **70.7367, 0.2515, 0.3337** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **34.0015, 0.4400, 0.3250**, and the grayscale version is **59.5104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **37.2142, 0.2377, 0.3353** is the 20% darker color. If you saturate the color by 10%, you get **69.1315, 0.2430, 0.3348**, and if you desaturate by 10%, it is **72.7720, 0.2618, 0.3326**.

Distribution



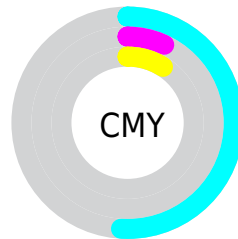
- Red (49%)
- Green (93%)
- Blue (91%)



- Red (49%)
- Yellow (71%)
- Blue (93%)



- Cyan (48%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)




- Cyan (51%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7367, 0.2515, 0.3337 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 70.7367, 0.2515, 0.3337 by changing the saturation by 10% instead.


 70.7367, 0.2515,
0.3337


 70.7367, 0.2515,
0.3337


463.1325, 0.2795,
0.3321

 52.1274, 0.2452,
0.3339


 120.2587, 0.2611,
0.3333

 37.1066, 0.2375,
0.3341


 151.9402, 0.2649,
0.3331

 25.2900, 0.2279,
0.3342


 188.7479, 0.2681,
0.3329

 16.2933, 0.2154,
0.3342

231.0661, 0.2710,
0.3327

 9.7319, 0.1989,
0.3338

279.2793, 0.2735,
0.3325

 5.2216, 0.1758,
0.3324

333.7718, 0.2757,

 2.3778, 0.1422,

0.3324

0.3284

394.9281, 0.2777,
0.3322

0.8145, 0.0000,
0.3467

0.0000, 0.0000,
0.0000

70.7367, 0.2515,
0.3337

70.7367, 0.2515,
0.3337

69.1315, 0.2430,
0.3348

72.7720, 0.2618,
0.3326

67.9172, 0.2364,
0.3360


75.2569, 0.2737,
0.3315


67.0615, 0.2318,
0.3372


78.2197, 0.2870,
0.3306


66.5231, 0.2290,
0.3383

81.6839, 0.3013,
0.3296

 66.2468, 0.2279,
0.3395

 85.6716, 0.3163,
0.3288

 66.1997, 0.2277,
0.3398

 88.0000, 0.3241,
0.3280

 88.0495, 0.3236,
0.3272

 88.0993, 0.3231,
0.3264

 88.1492, 0.3225,
0.3256

Harmonies

Analogous

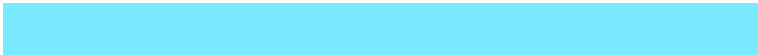
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7367, 0.2823, 0.3734



70.7367, 0.2515, 0.3337



70.7367, 0.2369, 0.2958

Triad

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



70.7367, 0.2515, 0.3337



70.7367, 0.2985, 0.2691



70.7367, 0.3889, 0.3838

Complementary

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



70.7367, 0.2515, 0.3337



34.0015, 0.4400, 0.3250

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.



70.7367, 0.3950, 0.3535



70.7367, 0.2515, 0.3337



70.7367, 0.3408, 0.2898

Square

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



70.7367, 0.2515, 0.3337



70.7367, 0.2626, 0.2618



70.7367, 0.3770, 0.3198



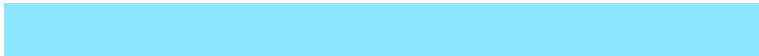
70.7367, 0.3618, 0.4021

Rectangle

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



70.7367, 0.2515, 0.3337



70.7367, 0.2375, 0.2772



70.7367, 0.3770, 0.3198



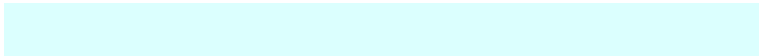
70.7367, 0.3936, 0.3745

Sweetspot

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



70.7395, 0.2515, 0.3337



93.7654, 0.2920, 0.3302



66.7472, 0.3088, 0.4783



19.8870, 0.2889, 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.



70.7395, 0.2515, 0.3337



81.7052, 0.2433, 0.3348



45.6019, 0.2374, 0.2627



17.1121, 0.2986, 0.3298



36.1489, 0.2277, 0.3396



2.8415, 0.2272, 0.3380

Inverse Universe

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



34.0015, 0.4400, 0.3250



33.5697, 0.4820, 0.3245



50.0802, 0.4148, 0.3856



15.0627, 0.3287, 0.3282



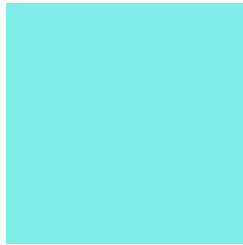
9.8439, 0.6362, 0.3279



0.7760, 0.6260, 0.3222

Previews

White Background



This preview shows how the Yxy color 70.7367, 0.2515, 0.3337 looks on a white background.

Color Contrast Check

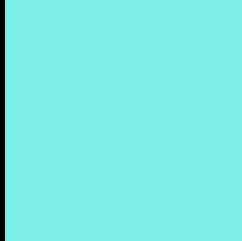
Large Text (above 18pt) WCAG AA × Fail

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 70.7367, 0.2515, 0.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

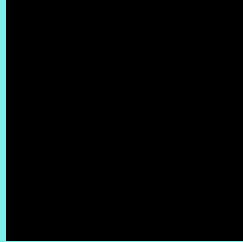
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7367, 0.2515, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 70.7367, 0.2515, 0.3337.

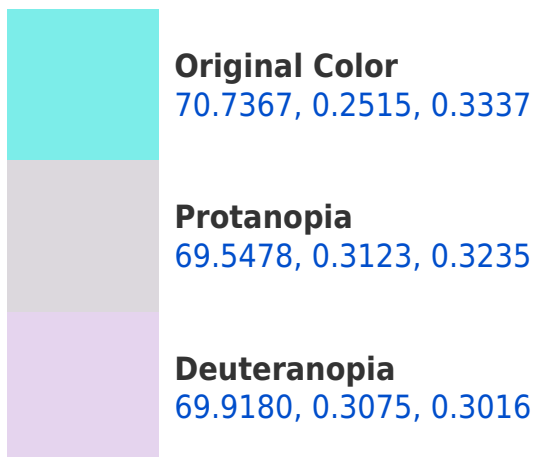


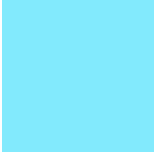
This preview shows how white text looks on a background with the Yxy color 70.7367, 0.2515, 0.3337.

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





Tritanopia

70.6833, 0.2444, 0.3065

Trichromacy



Original Color

70.7367, 0.2515, 0.3337



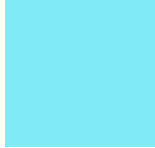
Protanomaly

69.0618, 0.2860, 0.3278



Deuteranomaly

68.8454, 0.2831, 0.3120



Tritanomaly

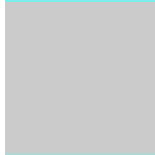
70.6597, 0.2468, 0.3157

Monochromacy



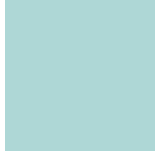
Original Color

70.7367, 0.2515, 0.3337



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

62.4546, 0.2849, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7367, 0.2515, 0.3337 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(124, 237, 233)` looks like.

```
.text, #text, p{  
    color:rgb(124, 237, 233)  
}
```

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(124, 237, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 237, 233) }
```

Border

The CSS property to change the border of an element to Yxy 70.7367, 0.2515, 0.3337 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(124, 237, 233) }
```

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

```
.border{ border-color:rgb(124, 237, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 237, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 237, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 237, 233);  
box-shadow:4px 4px 4px 4px rgb(124, 237,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7367, 0.2515, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 237, 233) }
```

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

```
.background{ background-color: rgb(124,  
237, 233) }
```

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