

Converting Colors

$Y_{xy}(55.4281, 0.1644, 0.3408)$

Have a look what the booklet for
Yxy(55.4281, 0.1644, 0.3408)
contains.

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Color

Yxy(63.7141, 0.2276, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	00E9E1
RGB	0, 233, 225
RGB Percent	0%, 91%, 88%
CMY	1.0000, 0.0862, 0.1176
CMYK	1.00, 0.00, 0.03, 0.09
HSL	178°, 100%, 46%
HSV	178°, 100%, 91%
XYZ	42.7264, 63.7141, 81.2852
YIQ	162.4210, -136.3000, -51.8840

Conversions

Conversions Part 2

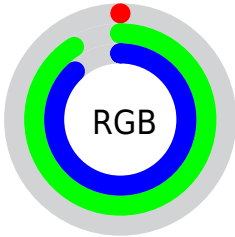
Format	Color
RYB	0, 119, 233
Decimal	59873
CIELab	83.82, -47.22, -9.33
CIELCh	84, 48.137, 191.181
Yxy	63.7141, 0.2276, 0.3394
Android (android.graphics.Color)	4278249953 (0xFF00E9E1)
YUV	162.4210, 30.8514, -142.4432
Hunter-Lab	79.8211, -44.1401, -4.5027

Details

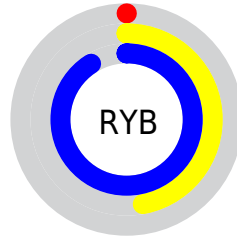
The Yxy color **63.7141, 0.2276, 0.3394** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.3424, 0.6374, 0.3285**, and the grayscale version is **36.2418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **33.9529, 0.2275, 0.3391** is the 20% darker color. If you saturate the color by 10%, you get **63.7188, 0.2276, 0.3394**, and if you desaturate by 10%, it is **63.9483, 0.2285, 0.3383**.

Distribution



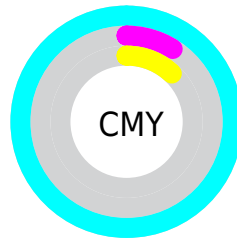
- Red (0%)
- Green (91%)
- Blue (88%)



- Red (0%)
- Yellow (47%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7141, 0.2276, 0.3394 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 63.7141, 0.2276, 0.3394 by changing the saturation by 10% instead.

 63.7141, 0.2276,
0.3394


 63.7141, 0.2276,
0.3394


438.1565, 0.2669,
0.3356


 46.4192, 0.2187,
0.3400


 110.1991, 0.2412,
0.3383


 32.5767, 0.2079,
0.3406


 140.1579, 0.2464,
0.3378

 21.8024, 0.1943,
0.3411


 175.1068, 0.2510,
0.3373

 13.7118, 0.1768,
0.3413

 215.4302, 0.2550,
0.3369

 7.9205, 0.1537,
0.3407

 261.5125, 0.2585,
0.3365

 4.0441, 0.1224,
0.3381

313.7380, 0.2616,

 1.6983, 0.0596,

0.3362

372.4912, 0.2644,
0.3359

0.3363

0.4225, 0.0000,
0.2739

0.0000, 0.0000,
0.0000

63.7141, 0.2276,
0.3394

63.7141, 0.2276,
0.3394

63.7188, 0.2276,
0.3394

63.9483, 0.2285,
0.3383

64.4015, 0.2309,
0.3372

65.1492, 0.2351,
0.3360

66.2329, 0.2412,
0.3349

67.6873, 0.2493,
0.3338

69.5430, 0.2592,
0.3327

71.8272, 0.2708,
0.3317

74.5648, 0.2837,
0.3307

77.7788, 0.2978,
0.3298

Harmonies

Analogous

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



63.7141, 0.2718, 0.4001



63.7141, 0.2276, 0.3394



63.7141, 0.2063, 0.2826

Triad

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



63.7141, 0.2276, 0.3394



63.7141, 0.2864, 0.2434



63.7141, 0.4246, 0.4016

Complementary

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



63.7141, 0.2276, 0.3394



17.3424, 0.6374, 0.3285

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.



63.7141, 0.4322, 0.3568



63.7141, 0.2276, 0.3394



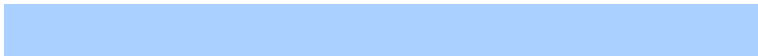
63.7141, 0.3478, 0.2705

Square

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



63.7141, 0.2276, 0.3394



63.7141, 0.2375, 0.2343



63.7141, 0.4034, 0.3105



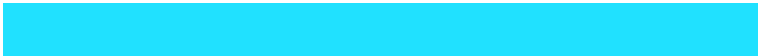
63.7141, 0.3859, 0.4337

Rectangle

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



63.7141, 0.2276, 0.3394



63.7141, 0.2060, 0.2560



63.7141, 0.4034, 0.3105



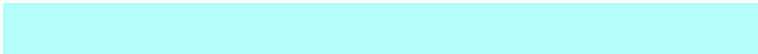
63.7141, 0.4311, 0.3874

Sweetspot

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



63.7188, 0.2276, 0.3394



88.0962, 0.2706, 0.3317



58.3578, 0.3008, 0.5994



18.5886, 0.2655, 0.3321



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.



63.7188, 0.2276, 0.3394



78.1889, 0.2276, 0.3395



21.3622, 0.1813, 0.1725



17.1124, 0.2986, 0.3298



36.1567, 0.2276, 0.3392



2.8420, 0.2271, 0.3377

Inverse Universe

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



17.3424, 0.6374, 0.3285



21.2792, 0.6377, 0.3286



27.3982, 0.5577, 0.3954



15.0624, 0.3288, 0.3282



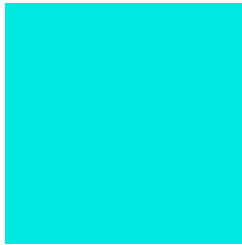
9.8434, 0.6364, 0.3279



0.7759, 0.6264, 0.3224

Previews

White Background



This preview shows how the Yxy color 63.7141, 0.2276, 0.3394 looks on a white background.

Color Contrast Check

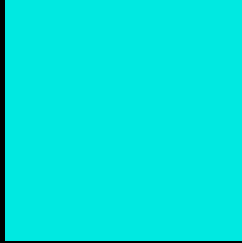
Large Text (above 18pt) WCAG AA × Fail

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 63.7141, 0.2276, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

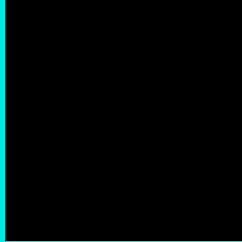
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.7141, 0.2276, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 63.7141, 0.2276, 0.3394.

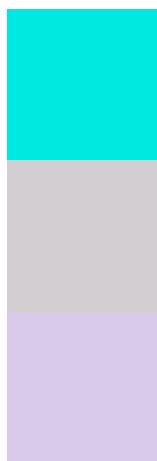


This preview shows how white text looks on a background with the Yxy color 63.7141, 0.2276, 0.3394.

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

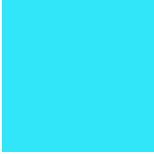
63.7141, 0.2276, 0.3394

Protanopia

62.4477, 0.3136, 0.3256

Deuteranopia

62.6662, 0.3023, 0.2960



Tritanopia

64.0239, 0.2223, 0.3060

Trichromacy



Original Color

63.7141, 0.2276, 0.3394



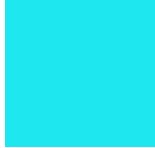
Protanomaly

59.0864, 0.2607, 0.3301



Deuteranomaly

58.5640, 0.2544, 0.3087



Tritanomaly

63.7344, 0.2233, 0.3171

Monochromacy



Original Color

63.7141, 0.2276, 0.3394



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

42.3528, 0.2545, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7141, 0.2276, 0.3394 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, 233, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 225)  
}
```

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, 233, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 225) }
```

Border

The CSS property to change the border of an element to Yxy 63.7141, 0.2276, 0.3394 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, 233, 225) }
```

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

```
.border{ border-color:rgb(0, 233, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7141, 0.2276, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 225) }
```

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

```
.background{ background-color: rgb(0, 233,  
225) }
```

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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