

Converting Colors

$Yxy(63.5677, 0.2419, 0.3891)$

Have a look what the booklet for
Yxy(63.5677, 0.2419, 0.3891)
contains.

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Color

Yxy(63.2870, 0.2419, 0.3891)

Conversions

Conversions Part 1

Format	Color
Hex	0AEBC0
RGB	10, 235, 192
RGB Percent	4%, 92%, 75%
CMY	0.9623, 0.0784, 0.2470
CMYK	0.96, 0.00, 0.18, 0.08
HSL	169°, 92%, 48%
HSV	169°, 96%, 92%
XYZ	39.3450, 63.2870, 60.0177
YIQ	162.8230, -120.2970, -61.0730

Conversions

Conversions Part 2

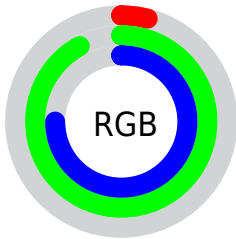
Format	Color
RYB	10, 134, 235
Decimal	715712
CIELab	83.59, -56.64, 7.73
CIELCh	84, 57.168, 172.231
Yxy	63.2870, 0.2419, 0.3891
Android (android.graphics.Color)	4278905792 (0xFF0AEB0)
YUV	162.8230, 14.3843, -134.0258
Hunter-Lab	79.5531, -50.9364, 10.9567

Details

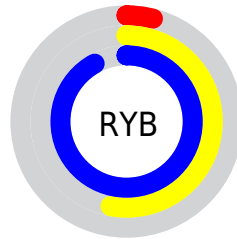
The Yxy color **63.2870, 0.2419, 0.3891** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **18.1255, 0.6024, 0.3120**, and the grayscale version is **36.4561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8080, 0.2451, 0.3370**, and **33.7049, 0.2446, 0.4006** is the 20% darker color. If you saturate the color by 10%, you get **63.1467, 0.2422, 0.3919**, and if you desaturate by 10%, it is **63.7544, 0.2420, 0.3822**.

Distribution



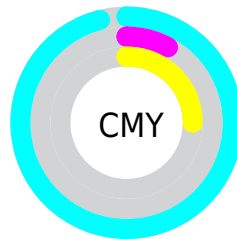
- Red (4%)
- Green (92%)
- Blue (75%)



- Red (4%)
- Yellow (53%)
- Blue (92%)



- Cyan (96%)
- Magenta (0%)
- Yellow (18%)
- Black (8%)




- Cyan (96%)
- Magenta (8%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2870, 0.2419, 0.3891 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 63.2870, 0.2419, 0.3891 by changing the saturation by 10% instead.


 63.2870, 0.2419,
0.3891


 63.2870, 0.2419,
0.3891


436.6103, 0.2757,
0.3598


 46.0734, 0.2340,
0.3962


 109.5835, 0.2538,
0.3786

 32.3038, 0.2241,
0.4052


 139.4351, 0.2584,
0.3746

 21.5936, 0.2115,
0.4168


 174.2683, 0.2623,
0.3712

 13.5586, 0.1948,
0.4327

 214.4674, 0.2657,
0.3683

 7.8143, 0.1718,
0.4552

 260.4167, 0.2686,
0.3657

 3.9764, 0.1388,
0.4895

312.5007, 0.2713,

 1.6604, 0.0169,

0.3635

0.5904

371.1038, 0.2736,
0.3615

■ 0.3978, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2870, 0.2419,
0.3891

■ 63.2870, 0.2419,
0.3891

■ 63.1467, 0.2422,
0.3919

■ 63.7544, 0.2420,
0.3822

■ 64.4956, 0.2438,
0.3752

■ 65.5615, 0.2477,
0.3682

■ 66.9913, 0.2535,
0.3614

■ 68.8187, 0.2612,
0.3547

■ 71.0732, 0.2704,
0.3484

■ 73.7818, 0.2811,
0.3424

■ 76.9691, 0.2927,
0.3369

■ 80.6580, 0.3051,
0.3318

Harmonies

Analogous

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



63.2870, 0.3053, 0.4484



63.2870, 0.2419, 0.3891



63.2870, 0.2005, 0.3130

Triad

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



63.2870, 0.2419, 0.3891



63.2870, 0.2427, 0.2203



63.2870, 0.4558, 0.3791

Complementary

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



63.2870, 0.2419, 0.3891



18.1255, 0.6024, 0.3120

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.



63.2870, 0.4382, 0.3253



63.2870, 0.2419, 0.3891



63.2870, 0.3068, 0.2390

Square

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



63.2870, 0.2419, 0.3891



63.2870, 0.2018, 0.2242



63.2870, 0.3807, 0.2762



63.2870, 0.4303, 0.4291

Rectangle

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



63.2870, 0.2419, 0.3891



63.2870, 0.1886, 0.2709



63.2870, 0.3807, 0.2762



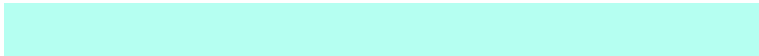
63.2870, 0.4550, 0.3611

Sweetspot

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



63.2894, 0.2419, 0.3891



87.6944, 0.2775, 0.3443



60.2456, 0.3076, 0.5917



18.4732, 0.2730, 0.3468



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.



63.2894, 0.2419, 0.3891



75.9937, 0.2423, 0.3922



33.8405, 0.1981, 0.2311



17.0697, 0.3007, 0.3335



35.1595, 0.2419, 0.3908



2.7735, 0.2392, 0.3812

Inverse Universe

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



18.1255, 0.6024, 0.3120



21.4787, 0.6138, 0.3155



23.0244, 0.5891, 0.3667



15.1010, 0.3263, 0.3245



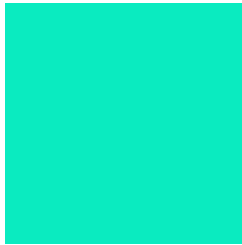
9.9484, 0.6096, 0.3132



0.7943, 0.5727, 0.2928

Previews

White Background



This preview shows how the Yxy color 63.2870, 0.2419, 0.3891 looks on a white background.

Color Contrast Check

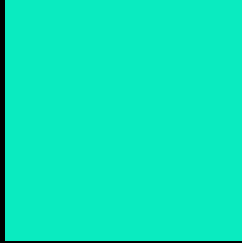
Large Text (above 18pt) WCAG AA × Fail

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 63.2870, 0.2419, 0.3891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

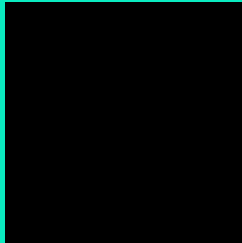
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.2870, 0.2419, 0.3891

Background



This preview shows how black text looks on a background with the Yxy color 63.2870, 0.2419, 0.3891.

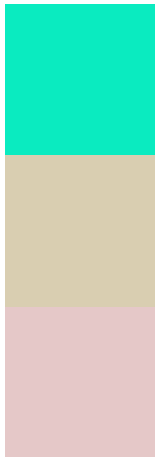


This preview shows how white text looks on a background with the Yxy color 63.2870, 0.2419, 0.3891.

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

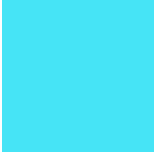
63.2870, 0.2419, 0.3891

Protanopia

62.0687, 0.3425, 0.3626

Deuteranopia

62.1367, 0.3357, 0.3291



Tritanopia

63.4427, 0.2263, 0.3060

Trichromacy



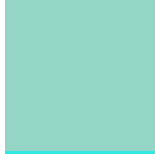
Original Color

63.2870, 0.2419, 0.3891



Protanomaly

58.7539, 0.2839, 0.3756



Deuteranomaly

58.0093, 0.2790, 0.3498



Tritanomaly

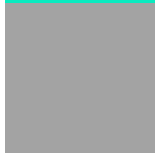
63.2712, 0.2307, 0.3354

Monochromacy



Original Color

63.2870, 0.2419, 0.3891



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

42.5770, 0.2635, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2870, 0.2419, 0.3891 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(10, 235, 192)` looks like.

```
.text, #text, p{  
    color:rgb(10, 235, 192)  
}
```

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(10, 235, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 235, 192) }
```

Border

The CSS property to change the border of an element to Yxy 63.2870, 0.2419, 0.3891 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(10, 235, 192) }
```

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

```
.border{ border-color:rgb(10, 235, 192) }
```

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

Here you see how a box with a 4 pixel rgb(10, 235, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 235, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 235, 192);  
box-shadow:4px 4px 4px 4px rgb(10, 235,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2870, 0.2419, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 235, 192) }
```

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

```
.background{ background-color: rgb(10, 235,  
192) }
```

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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