

Converting Colors

$Y_{xy}(62.1888, 0.2396, 0.3825)$

Have a look what the booklet for
Yxy(62.1888, 0.2396, 0.3825)
contains.

Yxy(62.2180, 0.2395, 0.3822)	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(62.2180, 0.2395, 0.3822)

Conversions

Conversions Part 1

Format	Color
Hex	00E9C3
RGB	0, 233, 195
RGB Percent	0%, 91%, 76%
CMY	1.0000, 0.0863, 0.2353
CMYK	1.00, 0.00, 0.16, 0.09
HSL	170°, 100%, 46%
HSV	170°, 100%, 91%
XYZ	38.9880, 62.2180, 61.5831
YIQ	159.0010, -126.6700, -61.2140

Conversions

Conversions Part 2

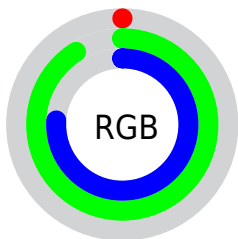
Format	Color
RYB	0, 127, 233
Decimal	59843
CIELab	83.03, -55.34, 5.34
CIELCh	83, 55.600, 174.487
Yxy	62.2180, 0.2395, 0.3822
Android (android.graphics.Color)	4278249923 (0xFF00E9C3)
YUV	159.0010, 17.7475, -139.4439
Hunter-Lab	78.8784, -49.8082, 8.9251

Details

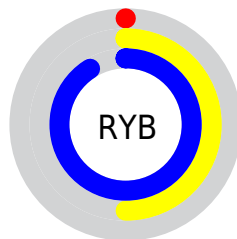
The Yxy color **62.2180, 0.2395, 0.3822** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **17.4645, 0.6192, 0.3185**, and the grayscale version is **34.6334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9278, 0.2429, 0.3323**, and **32.9738, 0.2426, 0.3935** is the 20% darker color. If you saturate the color by 10%, you get **62.2209, 0.2395, 0.3822**, and if you desaturate by 10%, it is **62.5808, 0.2393, 0.3764**.

Distribution



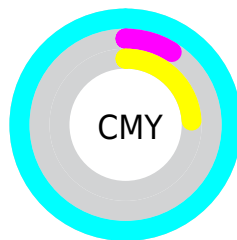
- Red (0%)
- Green (91%)
- Blue (76%)



- Red (0%)
- Yellow (50%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.2180, 0.2395, 0.3822 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 62.2180, 0.2395, 0.3822 by changing the saturation by 10% instead.


 62.2180, 0.2395,
0.3822

 62.2180, 0.2395,
0.3822

432.7258, 0.2743,
0.3564


 45.2089, 0.2314,
0.3884


 108.0405, 0.2517,
0.3730


 31.6220, 0.2212,
0.3962


 137.6227, 0.2565,
0.3695

 21.0729, 0.2083,
0.4063


 172.1648, 0.2605,
0.3665

 13.1773, 0.1912,
0.4199

 212.0510, 0.2640,
0.3639

 7.5508, 0.1678,
0.4391

 257.6658, 0.2671,
0.3617

 3.8089, 0.1344,
0.4680

309.3936, 0.2698,

 1.5672, 0.0071,

0.3597

0.5590

367.6188, 0.2722,
0.3580

■ 0.3354, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.2180, 0.2395,
0.3822

■ 62.2180, 0.2395,
0.3822

■ 62.2209, 0.2395,
0.3822

■ 62.5808, 0.2393,
0.3764

■ 63.1685, 0.2407,
0.3705

■ 64.0550, 0.2439,
0.3647

■ 65.2817, 0.2492,
0.3588

■ 66.8835, 0.2563,
0.3531

■ 68.8908, 0.2652,
0.3476

■ 71.3309, 0.2756,
0.3424

■ 74.2289, 0.2871,
0.3376

■ 77.6077, 0.2996,
0.3331

Harmonies

Analogous

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



62.2180, 0.3005, 0.4426



62.2180, 0.2395, 0.3822



62.2180, 0.2007, 0.3084

Triad

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



62.2180, 0.2395, 0.3822



62.2180, 0.2481, 0.2230



62.2180, 0.4523, 0.3824

Complementary

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



62.2180, 0.2395, 0.3822



17.4645, 0.6192, 0.3185

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.



62.2180, 0.4383, 0.3295



62.2180, 0.2395, 0.3822



62.2180, 0.3124, 0.2429

Square

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



62.2180, 0.2395, 0.3822



62.2180, 0.2060, 0.2251



62.2180, 0.3844, 0.2805



62.2180, 0.4248, 0.4305

Rectangle

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



62.2180, 0.2395, 0.3822



62.2180, 0.1904, 0.2683



62.2180, 0.3844, 0.2805



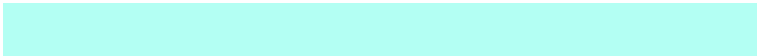
62.2180, 0.4526, 0.3648

Sweetspot

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



62.2209, 0.2395, 0.3822



87.4865, 0.2754, 0.3425



58.7089, 0.3045, 0.5964



18.4406, 0.2708, 0.3447



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.



62.2209, 0.2395, 0.3822



76.3448, 0.2396, 0.3825



29.4384, 0.1929, 0.2144



17.0772, 0.3003, 0.3329



35.3194, 0.2393, 0.3813



2.7847, 0.2370, 0.3732

Inverse Universe

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



17.4645, 0.6192, 0.3185



21.4243, 0.6201, 0.3190



22.7263, 0.5903, 0.3695



15.0941, 0.3267, 0.3252



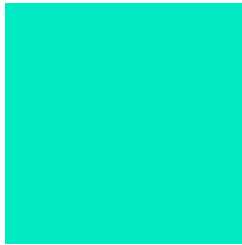
9.9212, 0.6162, 0.3168



0.7910, 0.5813, 0.2976

Previews

White Background



This preview shows how the Yxy color 62.2180, 0.2395, 0.3822 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 62.2180, 0.2395, 0.3822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

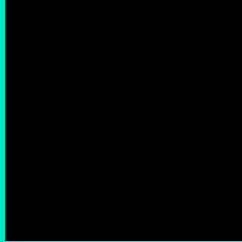
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

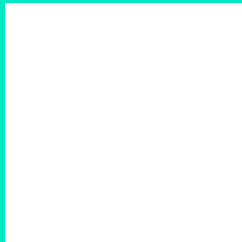
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.2180, 0.2395, 0.3822

Background



This preview shows how black text looks on a background with the Yxy color 62.2180, 0.2395, 0.3822.



This preview shows how white text looks on a background with the Yxy color 62.2180, 0.2395, 0.3822.

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

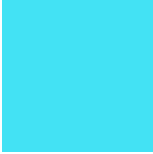
62.2180, 0.2395, 0.3822

Protanopia

60.7772, 0.3382, 0.3571

Deuteranopia

60.8687, 0.3313, 0.3235



Tritanopia

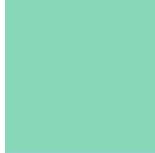
62.1177, 0.2257, 0.3058

Trichromacy



Original Color

62.2180, 0.2395, 0.3822



Protanomaly

57.3379, 0.2784, 0.3694



Deuteranomaly

56.6880, 0.2739, 0.3433



Tritanomaly

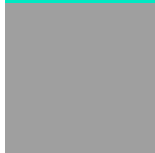
62.0432, 0.2292, 0.3327

Monochromacy



Original Color

62.2180, 0.2395, 0.3822



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.8631, 0.2606, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2180, 0.2395, 0.3822 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 195) }
```

Border

The CSS property to change the border of an element to Yxy 62.2180, 0.2395, 0.3822 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, 195) }
```

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

```
.border{ border-color:rgb(0, 233, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 62.2180, 0.2395, 0.3822 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, 195) }
```

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

```
.background{ background-color: rgb(0, 233,  
195) }
```

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