

Converting Colors

$Yxy(62.1669, 0.2398, 0.3834)$

Have a look what the booklet for
Yxy(62.1669, 0.2398, 0.3834)
contains.

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Color

Yxy(62.1729, 0.2399, 0.3837)

Conversions

Conversions Part 1

Format	Color
Hex	00E9C2
RGB	0, 233, 194
RGB Percent	0%, 91%, 76%
CMY	1.0000, 0.0862, 0.2392
CMYK	1.00, 0.00, 0.17, 0.09
HSL	170°, 100%, 46%
HSV	170°, 100%, 91%
XYZ	38.8722, 62.1729, 60.9900
YIQ	158.8870, -126.3490, -61.5250

Conversions

Conversions Part 2

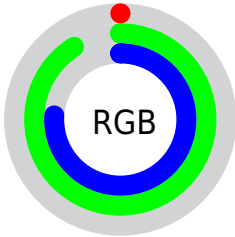
Format	Color
RYB	0, 127, 233
Decimal	59842
CIELab	83.01, -55.61, 5.83
CIELCh	83, 55.913, 174.011
Yxy	62.1729, 0.2399, 0.3837
Android (android.graphics.Color)	4278249922 (0xFF00E9C2)
YUV	158.8870, 17.3107, -139.3439
Hunter-Lab	78.8498, -49.9882, 9.3342

Details

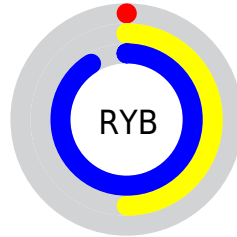
The Yxy color **62.1729, 0.2399, 0.3837** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **17.4717, 0.6183, 0.3180**, and the grayscale version is **34.5817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8016, 0.2437, 0.3346**, and **32.9441, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **62.1779, 0.2399, 0.3837**, and if you desaturate by 10%, it is **62.5413, 0.2397, 0.3777**.

Distribution



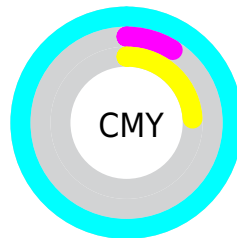
- Red (0%)
- Green (91%)
- Blue (76%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (9%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1729, 0.2399, 0.3837 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 62.1729, 0.2399, 0.3837 by changing the saturation by 10% instead.


 62.1729, 0.2399,
0.3837

 62.1729, 0.2399,
0.3837


432.5615, 0.2746,
0.3571

 45.1724, 0.2318,
0.3901


 107.9754, 0.2521,
0.3742


 31.5933, 0.2217,
0.3982


 137.5462, 0.2568,
0.3706

 21.0510, 0.2087,
0.4086


 172.0759, 0.2608,
0.3675

 13.1613, 0.1917,
0.4227

 211.9488, 0.2643,
0.3649

 7.5397, 0.1683,
0.4427

 257.5495, 0.2673,
0.3626

 3.8019, 0.1348,
0.4730

309.2622, 0.2700,

 1.5634, 0.0040,

0.3605

0.5690

367.4714, 0.2724,
0.3587

■ 0.3327, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.1729, 0.2399,
0.3837

■ 62.1729, 0.2399,
0.3837

■ 62.1779, 0.2399,
0.3837

■ 62.5413, 0.2397,
0.3777

■ 63.1327, 0.2410,
0.3717

■ 64.0232, 0.2442,
0.3656

■ 65.2541, 0.2495,
0.3596

■ 66.8603, 0.2566,
0.3538

■ 68.8723, 0.2654,
0.3482

■ 71.3174, 0.2757,
0.3428

■ 74.2206, 0.2872,
0.3378

■ 77.6049, 0.2997,
0.3332

Harmonies

Analogous

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



62.1729, 0.3015, 0.4440



62.1729, 0.2399, 0.3837



62.1729, 0.2005, 0.3093

Triad

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



62.1729, 0.2399, 0.3837



62.1729, 0.2469, 0.2223



62.1729, 0.4532, 0.3817

Complementary

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



62.1729, 0.2399, 0.3837



17.4717, 0.6183, 0.3180

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.



62.1729, 0.4384, 0.3286



62.1729, 0.2399, 0.3837



62.1729, 0.3112, 0.2420

Square

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



62.1729, 0.2399, 0.3837



62.1729, 0.2050, 0.2248



62.1729, 0.3837, 0.2796



62.1729, 0.4260, 0.4303

Rectangle

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



62.1729, 0.2399, 0.3837



62.1729, 0.1898, 0.2688



62.1729, 0.3837, 0.2796



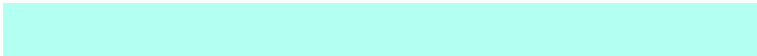
62.1729, 0.4533, 0.3640

Sweetspot

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



62.1779, 0.2399, 0.3837



87.4666, 0.2756, 0.3429



58.7904, 0.3053, 0.5958



18.4358, 0.2710, 0.3451



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.



62.1779, 0.2399, 0.3837



76.2891, 0.2400, 0.3840



30.7567, 0.1946, 0.2205



17.0761, 0.3003, 0.3330



35.2940, 0.2397, 0.3828



2.7829, 0.2374, 0.3744

Inverse Universe

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



17.4717, 0.6183, 0.3180



21.4321, 0.6192, 0.3185



22.1942, 0.5945, 0.3661



15.0952, 0.3267, 0.3251



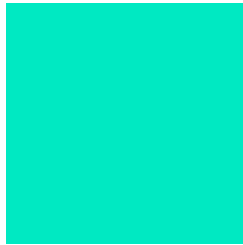
9.9251, 0.6153, 0.3163



0.7915, 0.5799, 0.2968

Previews

White Background



This preview shows how the Yxy color 62.1729, 0.2399, 0.3837 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 62.1729, 0.2399, 0.3837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

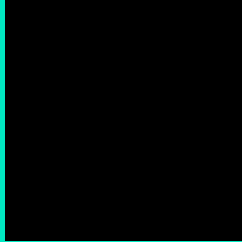
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.1729, 0.2399, 0.3837

Background



This preview shows how black text looks on a background with the Yxy color 62.1729, 0.2399, 0.3837.



This preview shows how white text looks on a background with the Yxy color 62.1729, 0.2399, 0.3837.

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

62.1729, 0.2399, 0.3837

Protanopia

60.8875, 0.3397, 0.3582

Deuteranopia

60.8212, 0.3321, 0.3246



Tritanopia

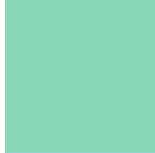
62.1177, 0.2257, 0.3058

Trichromacy



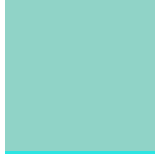
Original Color

62.1729, 0.2399, 0.3837



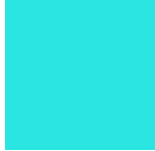
Protanomaly

57.3799, 0.2795, 0.3707



Deuteranomaly

56.6413, 0.2745, 0.3447



Tritanomaly

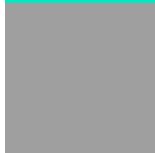
62.0432, 0.2292, 0.3327

Monochromacy



Original Color

62.1729, 0.2399, 0.3837



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 62.1729, 0.2399, 0.3837 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 194) }
```

Border

The CSS property to change the border of an element to Yxy 62.1729, 0.2399, 0.3837 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, 194) }
```

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

```
.border{ border-color:rgb(0, 233, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1729, 0.2399, 0.3837 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, 194) }
```

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

```
.background{ background-color: rgb(0, 233,  
194) }
```

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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