

Converting Colors

XYZ(34.1491, 59.7465, 61.6258)

Have a look what the booklet for
XYZ(34.1491, 59.7465, 61.6258)
contains.

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Color

**XYZ(38.9892, 62.2180,
61.5841)**

Conversions

Conversions Part 1

Format	Color
Hex	00E9C3
RGB	0, 233, 195
RGB Percent	0%, 91%, 76%
CMY	0.9999, 0.0863, 0.2353
CMYK	1.00, 0.00, 0.16, 0.09
HSL	170°, 100%, 46%
HSV	170°, 100%, 91%
XYZ	38.9892, 62.2180, 61.5841
YIQ	159.0010, -126.6700, -61.2140

Conversions

Conversions Part 2

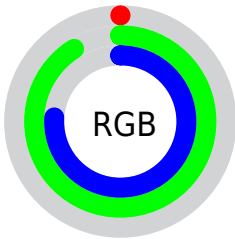
Format	Color
RYB	0, 127, 233
Decimal	59843
CIELab	83.03, -55.34, 5.34
CIELCh	83, 55.596, 174.487
Yxy	62.2180, 0.2395, 0.3822
Android (android.graphics.Color)	4278249923 (0xFF00E9C3)
YUV	159.0010, 17.7475, -139.4439
Hunter-Lab	78.8784, -49.8055, 8.9244

Details

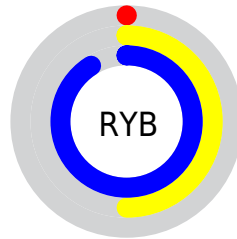
The XYZ color **38.9892, 62.2180, 61.5841** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **33.9563, 17.4652, 3.4183**, and the grayscale version is **32.9236, 34.6381, 37.7209**.

A 20% lighter version of the original color is **59.8862, 81.9278, 104.7528**, and **20.3331, 32.9738, 30.4922** is the 20% darker color. If you saturate the color by 10%, you get **38.9899, 62.2199, 61.5822**, and if you desaturate by 10%, it is **39.7869, 62.5805, 63.8950**.

Distribution



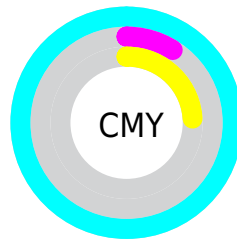
- Red (0%)
- Green (91%)
- Blue (76%)



- 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 XYZ color 38.9892, 62.2180, 61.5841 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 XYZ color 38.9892, 62.2180, 61.5841 by changing the saturation by 10% instead.


 38.9892, 62.2180,
61.5841


 38.9892, 62.2180,
61.5841


333.0525,
432.7258, 448.3781


 26.9320, 45.2089,
44.2631


 72.9160, 108.0405,
108.6900


 17.6585, 31.6220,
30.5387


 95.5163, 137.6227,
139.3119


 10.8033, 21.0729,
19.9923


 122.3617,
172.1648, 175.2046

 6.0010, 13.1773,
12.2054

 153.8176,
212.0510, 216.7866

 2.8864, 7.5508,
6.7595

 190.2492,
257.6658, 264.4764

 1.0940, 3.8089,
3.2360

232.0220,

 0.0201, 1.5672,

309.3936, 318.6926

1.2164

279.5013,
367.6188, 379.8536

■ 0.0000, 0.3354,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9892, 62.2180,
61.5841

■ 38.9892, 62.2180,
61.5841

■ 38.9899, 62.2199,
61.5822

■ 39.7869, 62.5805,
63.8950

■ 41.0278, 63.1686,
66.2828

■ 42.8509, 64.0556,
68.7557

■ 45.3366, 65.2828,
71.3181

■ 48.5523, 66.8852,
73.9733

■ 52.5573, 68.8931,
76.7246

■ 57.4046, 71.3339,
79.5748

■ 63.1426, 74.2325,
82.5266

■ 69.8159, 77.6120,
85.5825

Harmonies

Analogous

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



42.2512, 62.2180, 36.1163



38.9892, 62.2180, 61.5841



40.5018, 62.2180, 99.0429

Triad

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



38.9892, 62.2180, 61.5841



69.2403, 62.2180, 147.5783



73.6000, 62.2180, 26.8939

Complementary

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



38.9892, 62.2180, 61.5841



33.9563, 17.4652, 3.4183

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.



82.7560, 62.2180, 43.8508



38.9892, 62.2180, 61.5841



80.0097, 62.2180, 113.9154

Square

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



38.9892, 62.2180, 61.5841



56.9441, 62.2180, 157.2714



85.2472, 62.2180, 74.3033



61.3841, 62.2180, 20.9171

Rectangle

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



38.9892, 62.2180, 61.5841



44.1359, 62.2180, 125.5042



85.2472, 62.2180, 74.3033



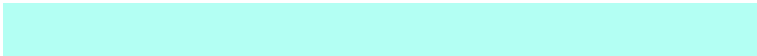
77.2002, 62.2180, 31.1480

Sweetspot

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



38.9910, 62.2204, 61.5856



70.3405, 87.4864, 97.5947



29.9717, 58.7087, 9.7532



14.4900, 18.4406, 20.5690



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.9910, 62.2204, 61.5856



47.8216, 76.3447, 75.4358



26.4882, 29.4421, 81.3804



15.4060, 17.0772, 18.8208



22.1621, 35.3193, 35.1481



1.7684, 2.7847, 2.9083

Inverse Universe

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



33.9563, 17.4652, 3.4183



41.6507, 21.4243, 4.0928



36.3082, 22.7293, 2.4746



15.1657, 15.0941, 16.1578



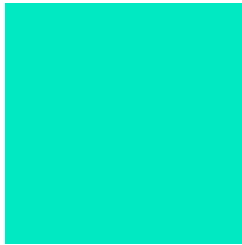
19.2962, 9.9212, 2.0952



1.5451, 0.7910, 0.3221

Previews

White Background



This preview shows how the XYZ color 38.9892, 62.2180, 61.5841 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 XYZ color 38.9892, 62.2180, 61.5841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

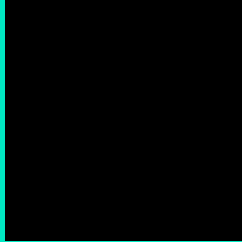
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

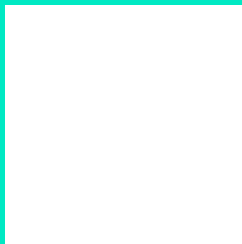
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9892, 62.2180, 61.5841

Background



This preview shows how black text looks on a background with the XYZ color 38.9892, 62.2180, 61.5841.



This preview shows how white text looks on a background with the XYZ color 38.9892, 62.2180,

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

38.9892, 62.2180, 61.5841

Protanopia

57.5626, 60.7772, 51.8773

Deuteranopia

62.3376, 60.8687, 64.9632



Tritanopia

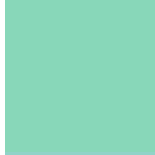
45.8402, 62.1177, 95.1618

Trichromacy



Original Color

38.9892, 62.2180, 61.5841



Protanomaly

43.2107, 57.3379, 54.6888



Deuteranomaly

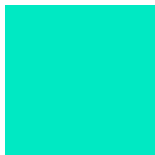
45.2212, 56.6880, 63.2020



Tritanomaly

42.7430, 62.0432, 81.6742

Monochromacy



Original Color

38.9892, 62.2180, 61.5841



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.3721, 40.8631, 45.3163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9892, 62.2180, 61.5841 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 XYZ 38.9892, 62.2180, 61.5841 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 XYZ 38.9892, 62.2180, 61.5841 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](#).

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