

Converting Colors

XYZ(34.7547, 60.4561, 62.6562)

Have a look what the booklet for
XYZ(34.7547, 60.4561, 62.6562)
contains.

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Color

**XYZ(39.5009, 62.8769,
62.8779)**

Conversions

Conversions Part 1

Format	Color
Hex	00EAC5
RGB	0, 234, 197
RGB Percent	0%, 92%, 77%
CMY	0.9998, 0.0823, 0.2274
CMYK	1.00, 0.00, 0.16, 0.08
HSL	171°, 100%, 46%
HSV	171°, 100%, 92%
XYZ	39.5009, 62.8769, 62.8779
YIQ	159.8160, -127.5870, -61.1150

Conversions

Conversions Part 2

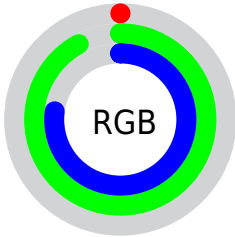
Format	Color
RYB	0, 127, 234
Decimal	60101
CIELab	83.38, -55.22, 4.79
CIELCh	83, 55.430, 175.041
Yxy	62.8769, 0.2390, 0.3805
Android (android.graphics.Color)	4278250181 (0xFF00EAC5)
YUV	159.8160, 18.3317, -140.1586
Hunter-Lab	79.2950, -49.8461, 8.4917

Details

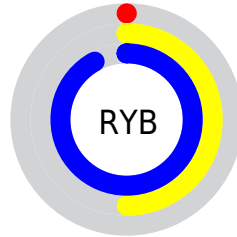
The XYZ color **39.5009, 62.8769, 62.8779** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **34.2680, 17.6279, 3.3504**, and the grayscale version is **33.2960, 35.0300, 38.1477**.

A 20% lighter version of the original color is **60.3315, 82.1205, 106.4370**, and **20.6801, 33.4275, 31.3488** is the 20% darker color. If you saturate the color by 10%, you get **39.5013, 62.8787, 62.8752**, and if you desaturate by 10%, it is **40.2951, 63.2382, 65.1576**.

Distribution



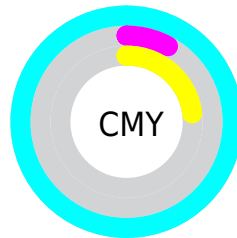
- Red (0%)
- Green (92%)
- Blue (77%)



- Red (0%)
- Yellow (50%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5009, 62.8769, 62.8779 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 39.5009, 62.8769, 62.8779 by changing the saturation by 10% instead.


 39.5009, 62.8769,
62.8779

 39.5009, 62.8769,
62.8779


335.1860,
435.1226, 453.2220


 27.3321, 45.7416,
45.3021


 73.6921, 108.9919,
110.5772


 17.9607, 32.0420,
31.3507


 96.4452, 138.7404,
141.5378


 11.0213, 21.3936,
20.6054


 123.4571,
173.4621, 177.7970

 6.1485, 13.4120,
12.6474

 155.0931,
213.5414, 219.7734

 2.9771, 7.7129,
7.0584

 191.7187,
259.3628, 267.8856

 1.1417, 3.9118,
3.4196

233.6991,

 0.0596, 1.6243,

311.3105, 322.5521

1.3127

281.3998,
369.7689, 384.1913

■ 0.0000, 0.3739,
0.0722

■ 0.0000, 0.0000,
0.0000

■ 39.5009, 62.8769,
62.8779

■ 39.5009, 62.8769,
62.8779

■ 39.5013, 62.8787,
62.8752

■ 40.2951, 63.2382,
65.1576

■ 41.5366, 63.8274,
67.5116

■ 43.3654, 64.7182,
69.9482

■ 45.8628, 65.9523,
72.4716

■ 49.0970, 67.5652,
75.0853

■ 53.1278, 69.5874,
77.7925

■ 58.0089, 72.0466,
80.5960

■ 63.7890, 74.9681,
83.4986

■ 70.5133, 78.3751,
86.5026

Harmonies

Analogous

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



42.6938, 62.8769, 37.0118



39.5009, 62.8769, 62.8779



41.1111, 62.8769, 100.6125

Triad

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



39.5009, 62.8769, 62.8779



70.1302, 62.8769, 148.0283



74.0661, 62.8769, 27.1692

Complementary

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



39.5009, 62.8769, 62.8779



34.2680, 17.6279, 3.3504

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.



83.3427, 62.8769, 44.0139



39.5009, 62.8769, 62.8779



80.8644, 62.8769, 114.0269

Square

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



39.5009, 62.8769, 62.8779



57.7795, 62.8769, 158.2835



85.9838, 62.8769, 74.3678



61.7906, 62.8769, 21.3096

Rectangle

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



39.5009, 62.8769, 62.8779



44.8226, 62.8769, 127.0629



85.9838, 62.8769, 74.3678



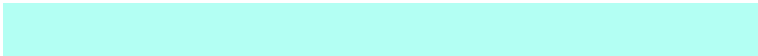
77.7005, 62.8769, 31.3874

Sweetspot

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



39.5027, 62.8793, 62.8794



70.3978, 87.5093, 97.8965



30.2622, 59.2799, 9.8484



14.5039, 18.4461, 20.6420



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.



39.5027, 62.8793, 62.8794



47.9835, 76.4094, 76.2878



26.7437, 29.7236, 82.1724



15.4094, 17.0786, 18.8385



22.2357, 35.3487, 35.5358



1.7735, 2.7867, 2.9352

Inverse Universe

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



34.2680, 17.6279, 3.3504



41.6286, 21.4155, 3.9765



36.6597, 22.9462, 2.4981



15.1626, 15.0929, 16.1415



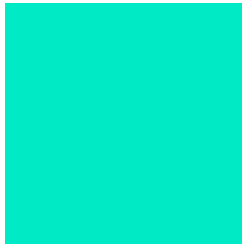
19.2851, 9.9167, 2.0365



1.5437, 0.7904, 0.3144

Previews

White Background



This preview shows how the XYZ color 39.5009, 62.8769, 62.8779 looks on a white background.

Color Contrast Check

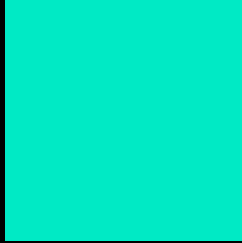
Large Text (above 18pt) WCAG AA × Fail

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 39.5009, 62.8769, 62.8779 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

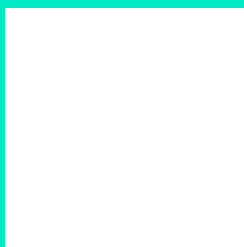
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.5009, 62.8769, 62.8779

Background



This preview shows how black text looks on a background with the XYZ color 39.5009, 62.8769, 62.8779.

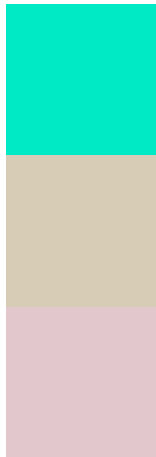


This preview shows how white text looks on a background with the XYZ color 39.5009, 62.8769, 62.8779.

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

39.5009, 62.8769, 62.8779

Protanopia

58.2992, 61.4871, 53.0515

Deuteranopia

62.8069, 61.4234, 66.3032



Tritanopia

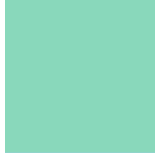
46.3504, 62.7502, 96.8579

Trichromacy



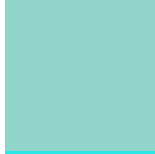
Original Color

39.5009, 62.8769, 62.8779



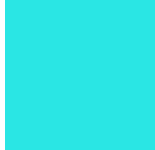
Protanomaly

43.8420, 58.0180, 55.9016



Deuteranomaly

45.7058, 57.2805, 64.5244



Tritanomaly

43.2553, 62.6873, 83.2189

Monochromacy



Original Color

39.5009, 62.8769, 62.8779



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.7926, 41.3826, 45.8999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5009, 62.8769, 62.8779 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, 234, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 197)  
}
```

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, 234, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 197) }
```

Border

The CSS property to change the border of an element to XYZ 39.5009, 62.8769, 62.8779 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, 234, 197) }
```


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

```
.border{ border-color:rgb(0, 234, 197) }
```

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

Here you see how a box with a 4 pixel rgb(0, 234, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5009, 62.8769, 62.8779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 197) }
```

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

```
.background{ background-color: rgb(0, 234,  
197) }
```

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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