

Converting Colors

XYZ(39.7453, 63.0194, 64.0272)

Have a look what the booklet for
XYZ(39.7453, 63.0194, 64.0272)
contains.

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Color

**XYZ(39.7316, 62.9692,
64.0930)**

Conversions

Conversions Part 1

Format	Color
Hex	00EAC7
RGB	0, 234, 199
RGB Percent	0%, 92%, 78%
CMY	0.9998, 0.0823, 0.2196
CMYK	1.00, 0.00, 0.15, 0.08
HSL	171°, 100%, 46%
HSV	171°, 100%, 92%
XYZ	39.7316, 62.9692, 64.0930
YIQ	160.0440, -128.2290, -60.4930

Conversions

Conversions Part 2

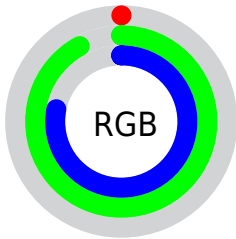
Format	Color
RYB	0, 126, 234
Decimal	60103
CIELab	83.43, -54.71, 3.81
CIELCh	83, 54.839, 176.017
Yxy	62.9692, 0.2382, 0.3775
Android (android.graphics.Color)	4278250183 (0xFF00EAC7)
YUV	160.0440, 19.2053, -140.3586
Hunter-Lab	79.3531, -49.4942, 7.6591

Details

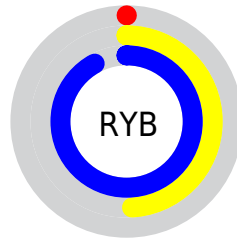
The XYZ color **39.7316, 62.9692, 64.0930** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **34.2373, 17.6155, 3.1890**, and the grayscale version is **33.3967, 35.1359, 38.2630**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.8330, 33.4886, 32.1540** is the 20% darker color. If you saturate the color by 10%, you get **39.7322, 62.9711, 64.0909**, and if you desaturate by 10%, it is **40.5077, 63.3233, 66.2773**.

Distribution



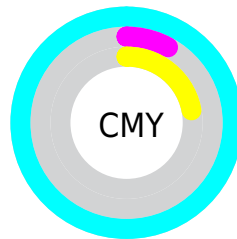
- Red (0%)
- Green (92%)
- Blue (78%)



- Red (0%)
- Yellow (49%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7316, 62.9692, 64.0930 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 39.7316, 62.9692, 64.0930 by changing the saturation by 10% instead.


 39.7316, 62.9692,
64.0930


 39.7316, 62.9692,
64.0930


336.1449,
435.4577, 457.7421


 27.5126, 45.8163,
46.2793


 74.0416, 109.1251,
112.3456


 18.0972, 32.1009,
32.1161


 96.8633, 138.8968,
143.6217


 11.1199, 21.4386,
21.1846


 123.9499,
173.6437, 180.2222

 6.2154, 13.4450,
13.0665

 155.6669,
213.7500, 222.5659

 3.0184, 7.7357,
7.3431

 192.3795,
259.6001, 271.0711

 1.1635, 3.9263,
3.5959

234.4531,

 0.0773, 1.6324,

311.5785, 326.1566

1.4064

282.2531,
370.0696, 388.2407

■ 0.0000, 0.3793,
0.1467

■ 0.0000, 0.0000,
0.0000

■ 39.7316, 62.9692,
64.0930

■ 39.7316, 62.9692,
64.0930

■ 39.7322, 62.9711,
64.0909

■ 40.5077, 63.3233,
66.2773

■ 41.7298, 63.9047,
68.5301

■ 43.5382, 64.7873,
70.8599

■ 46.0141, 66.0128,
73.2706

■ 49.2257, 67.6166,
75.7659

■ 53.2328, 69.6293,
78.3488

■ 58.0890, 72.0786,
81.0221

■ 63.8430, 74.9897,
83.7884

■ 70.5401, 78.3857,
86.6502

Harmonies

Analogous

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



42.7489, 62.9692, 37.9683



39.7316, 62.9692, 64.0930



41.4864, 62.9692, 101.6646

Triad

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



39.7316, 62.9692, 64.0930



70.5045, 62.9692, 146.3237



73.6329, 62.9692, 27.1946

Complementary

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



39.7316, 62.9692, 64.0930



34.2373, 17.6155, 3.1890

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.



82.9629, 62.9692, 43.5609



39.7316, 62.9692, 64.0930



80.9947, 62.9692, 112.3099

Square

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



39.7316, 62.9692, 64.0930



58.2686, 62.9692, 157.3805



85.8206, 62.9692, 73.2356



61.4605, 62.9692, 21.6412

Rectangle

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



39.7316, 62.9692, 64.0930



45.2709, 62.9692, 127.6435



85.8206, 62.9692, 73.2356



77.2654, 62.9692, 31.2787

Sweetspot

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



39.7334, 62.9716, 64.0945



70.4967, 87.5489, 98.4174



30.1218, 59.2075, 9.8418



14.5278, 18.4557, 20.7680



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.



39.7334, 62.9716, 64.0945



48.2650, 76.5220, 77.7705



26.0994, 28.4352, 81.9577



15.4152, 17.0809, 18.8691



22.3638, 35.4000, 36.2104



1.7824, 2.7903, 2.9820

Inverse Universe

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



34.2373, 17.6155, 3.1890



41.5923, 21.4009, 3.7850



36.9449, 23.5167, 2.5931



15.1573, 15.0908, 16.1136



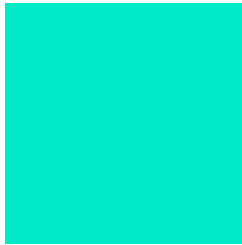
19.2666, 9.9093, 1.9393



1.5412, 0.7894, 0.3012

Previews

White Background



This preview shows how the XYZ color 39.7316, 62.9692, 64.0930 looks on a white background.

Color Contrast Check

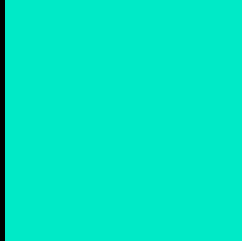
Large Text (above 18pt) WCAG AA × Fail

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 39.7316, 62.9692, 64.0930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

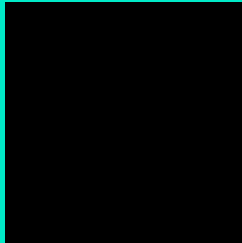
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

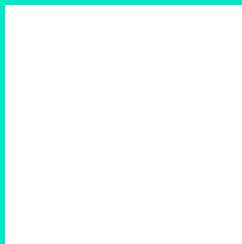
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7316, 62.9692, 64.0930

Background



This preview shows how black text looks on a background with the XYZ color 39.7316, 62.9692, 64.0930.



This preview shows how white text looks on a background with the XYZ color 39.7316, 62.9692,

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

39.7316, 62.9692, 64.0930

Protanopia

58.5074, 61.5704, 54.1480

Deuteranopia

63.2808, 61.9823, 67.6600



Tritanopia

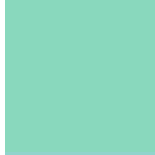
46.2836, 62.7158, 96.8547

Trichromacy



Original Color

39.7316, 62.9692, 64.0930



Protanomaly

44.0577, 58.1042, 57.0373



Deuteranomaly

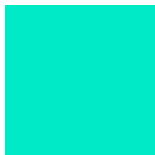
45.9442, 57.3759, 65.7799



Tritanomaly

43.3541, 62.7222, 83.9503

Monochromacy



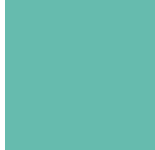
Original Color

39.7316, 62.9692, 64.0930



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.8898, 41.4214, 46.4115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7316, 62.9692, 64.0930 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 199) }
```

Border

The CSS property to change the border of an element to XYZ 39.7316, 62.9692, 64.0930 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, 199) }
```


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

```
.border{ border-color:rgb(0, 234, 199) }
```

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, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7316, 62.9692, 64.0930 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, 199) }
```

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

```
.background{ background-color: rgb(0, 234,  
199) }
```

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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