

Converting Colors

XYZ(39.5905, 63.1865, 62.5060)

Have a look what the booklet for
XYZ(39.5905, 63.1865, 62.5060)
contains.

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Color

**XYZ(39.6721, 63.4022,
62.3715)**

Conversions

Conversions Part 1

Format	Color
Hex	00EBC4
RGB	0, 235, 196
RGB Percent	0%, 92%, 77%
CMY	0.9999, 0.0784, 0.2314
CMYK	1.00, 0.00, 0.17, 0.08
HSL	170°, 100%, 46%
HSV	170°, 100%, 92%
XYZ	39.6721, 63.4022, 62.3715
YIQ	160.2890, -127.5410, -61.9490

Conversions

Conversions Part 2

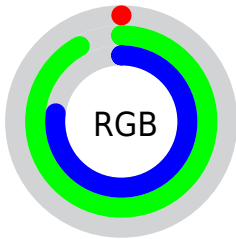
Format	Color
RYB	0, 128, 235
Decimal	60356
CIELab	83.65, -55.87, 5.72
CIELCh	84, 56.165, 174.159
Yxy	63.4022, 0.2398, 0.3832
Android (android.graphics.Color)	4278250436 (0xFF00EBC4)
YUV	160.2890, 17.6055, -140.5735
Hunter-Lab	79.6255, -50.4099, 9.2954

Details

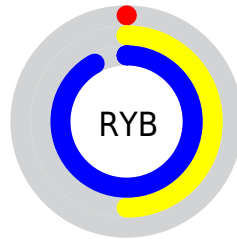
The XYZ color **39.6721, 63.4022, 62.3715** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **34.6294, 17.8103, 3.5354**, and the grayscale version is **33.5162, 35.2617, 38.4000**.

A 20% lighter version of the original color is **60.1717, 82.0566, 105.5956**, and **20.8029, 33.7938, 31.0176** is the 20% darker color. If you saturate the color by 10%, you get **39.6727, 63.4041, 62.3693**, and if you desaturate by 10%, it is **40.4891, 63.7729, 64.7594**.

Distribution



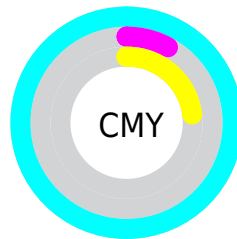
- Red (0%)
- Green (92%)
- Blue (77%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (8%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6721, 63.4022, 62.3715 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 39.6721, 63.4022, 62.3715 by changing the saturation by 10% instead.


 39.6721, 63.4022,
62.3715


 39.6721, 63.4022,
62.3715


335.8978,
437.0277, 451.3299

 27.4660, 46.1667,
44.8952


 73.9515, 109.7496,
109.8391


 18.0619, 32.3774,
31.0326

 96.7555, 139.6302,
140.6674


 11.0944, 21.6499,
20.3650


 123.8229,
174.4946, 176.7836

 6.1981, 13.5999,
12.4739

 155.5190,
214.7272, 218.6061

 3.0077, 7.8429,
6.9409

 192.2092,
260.7124, 266.5534

 1.1579, 3.9946,
3.3473

234.2588,

 0.0727, 1.6705,

312.8347, 321.0441

1.2746

282.0332,
371.4783, 382.4968

■ 0.0000, 0.4045,
0.0408

■ 0.0000, 0.0000,
0.0000

■ 39.6721, 63.4022,
62.3715

■ 39.6721, 63.4022,
62.3715

■ 39.6727, 63.4041,
62.3693

■ 40.4891, 63.7729,
64.7594

■ 41.7589, 64.3742,
67.2278

■ 43.6230, 65.2805,
69.7852

■ 46.1633, 66.5341,
72.4358

■ 49.4490, 68.1705,
75.1833

■ 53.5403, 70.2209,
78.0310

■ 58.4916, 72.7131,
80.9818

■ 64.3521, 75.6728,
84.0384

■ 71.1676, 79.1233,
87.2035

Harmonies

Analogous

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



43.0586, 63.4022, 36.4970



39.6721, 63.4022, 62.3715



41.1644, 63.4022, 100.6142

Triad

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



39.6721, 63.4022, 62.3715



70.4636, 63.4022, 151.0592



75.1900, 63.4022, 27.4120

Complementary

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



39.6721, 63.4022, 62.3715



34.6294, 17.8103, 3.5354

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.



84.5057, 63.4022, 44.8681



39.6721, 63.4022, 62.3715



81.5276, 63.4022, 116.7462

Square

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



39.6721, 63.4022, 62.3715



57.8882, 63.4022, 160.6576



86.9695, 63.4022, 76.1553



62.6996, 63.4022, 21.2131

Rectangle

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



39.6721, 63.4022, 62.3715



44.8444, 63.4022, 127.7533



86.9695, 63.4022, 76.1553



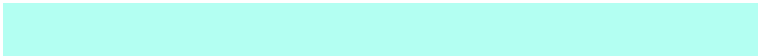
78.8610, 63.4022, 31.7960

Sweetspot

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



39.6739, 63.4046, 62.3730



70.3074, 87.4732, 97.4207



30.5538, 59.8541, 9.9437



14.4821, 18.4374, 20.5270



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.



39.6739, 63.4046, 62.3730



47.7288, 76.3075, 74.9466



26.9995, 30.0049, 82.9686



15.4040, 17.0764, 18.8106



22.1198, 35.3024, 34.9254



1.7655, 2.7835, 2.8928

Inverse Universe

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



34.6294, 17.8103, 3.5354



41.6638, 21.4295, 4.1617



37.0124, 23.1628, 2.5212



15.1675, 15.0948, 16.1672



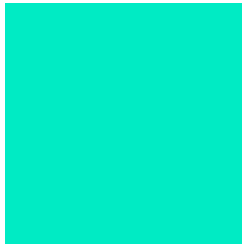
19.3028, 9.9238, 2.1299



1.5460, 0.7914, 0.3265

Previews

White Background



This preview shows how the XYZ color 39.6721, 63.4022, 62.3715 looks on a white background.

Color Contrast Check

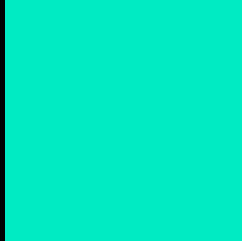
Large Text (above 18pt) WCAG AA × Fail

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 39.6721, 63.4022, 62.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

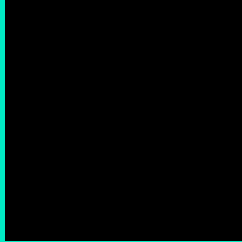
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

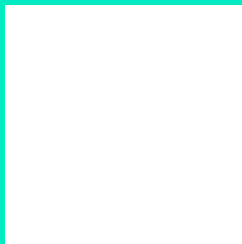
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.6721, 63.4022, 62.3715

Background



This preview shows how black text looks on a background with the XYZ color 39.6721, 63.4022, 62.3715.



This preview shows how white text looks on a background with the XYZ color 39.6721, 63.4022,

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

39.6721, 63.4022, 62.3715

Protanopia

58.7307, 62.0777, 52.6028

Deuteranopia

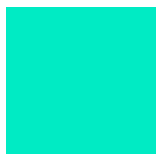
63.5483, 62.1622, 65.7759



Tritanopia

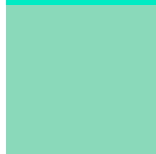
46.6927, 63.3339, 96.9525

Trichromacy



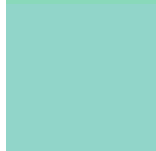
Original Color

39.6721, 63.4022, 62.3715



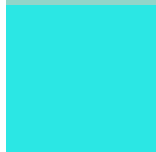
Protanomaly

43.9923, 58.4892, 55.4253



Deuteranomaly

46.0139, 57.8253, 63.9945



Tritanomaly

43.5758, 63.2669, 83.3138

Monochromacy



Original Color

39.6721, 63.4022, 62.3715



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 39.6721, 63.4022, 62.3715 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, 235, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 196)  
}
```

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, 235, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 196) }
```

Border

The CSS property to change the border of an element to XYZ 39.6721, 63.4022, 62.3715 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, 235, 196) }
```


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

```
.border{ border-color:rgb(0, 235, 196) }
```

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

Here you see how a box with a 4 pixel rgb(0, 235, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6721, 63.4022, 62.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 196) }
```

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

```
.background{ background-color: rgb(0, 235,  
196) }
```

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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