

Converting Colors

XYZ(30.9731, 44.7712, 63.2726)

Have a look what the booklet for
XYZ(30.9731, 44.7712, 63.2726)
contains.

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Color

**XYZ(30.9736, 44.7000,
63.4954)**

Conversions

Conversions Part 1

Format	Color
Hex	00C6CB
RGB	0, 198, 203
RGB Percent	0%, 78%, 80%
CMY	0.9998, 0.2235, 0.2039
CMYK	1.00, 0.02, 0.00, 0.20
HSL	181°, 100%, 40%
HSV	181°, 100%, 80%
XYZ	30.9736, 44.7000, 63.4954
YIQ	139.3680, -119.6130, -40.4210

Conversions

Conversions Part 2

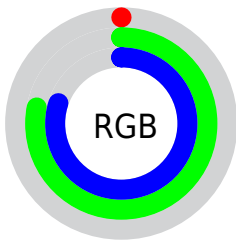
Format	Color
RYB	0, 100, 203
Decimal	50891
CIELab	72.69, -38.23, -14.17
CIELCh	73, 40.768, 200.342
Yxy	44.7000, 0.2226, 0.3212
Android (android.graphics.Color)	4278240971 (0xFF00C6CB)
YUV	139.3680, 31.3706, -122.2257
Hunter-Lab	66.8581, -34.3072, -9.5073

Details

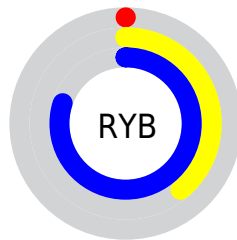
The XYZ color **30.9736, 44.7000, 63.4954** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.6840, 12.8063, 1.1722**, and the grayscale version is **24.6041, 25.8854, 28.1892**.

A 20% lighter version of the original color is **59.6357, 81.7433, 107.2426**, and **15.2473, 21.8148, 31.8408** is the 20% darker color. If you saturate the color by 10%, you get **30.9741, 44.7008, 63.4964**, and if you desaturate by 10%, it is **31.3845, 45.0827, 63.5484**.

Distribution



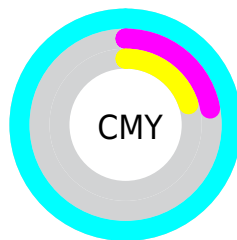
- Red (0%)
- Green (78%)
- Blue (80%)



- Red (0%)
- Yellow (39%)
- Blue (80%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9736, 44.7000, 63.4954 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 30.9736, 44.7000, 63.4954 by changing the saturation by 10% instead.

30.9736, 44.7000,
63.4954

30.9736, 44.7000,
63.4954

298.2457,
365.5572, 455.5225

20.7305, 31.2212,
45.7985

60.5746, 82.2700,
111.4764

13.0385, 20.7673,
31.7393

80.6632, 107.1301,
142.5976

7.5322, 12.9540,
20.8993

104.7644,
136.5526, 179.0306

3.8464, 7.3969,
12.8599

133.2435,
170.9221, 221.1940

1.6156, 3.7115,
7.2026

166.4658,
210.6229, 269.5064

0.4025, 1.5135,
3.5087

204.7967,

0.0000, 0.2982,

256.0394, 324.3862

1.3599

248.6015,
307.5561, 386.2521

■ 0.0000, 0.0000,
0.1101

■ 0.0000, 0.0000,
0.0000

■ 30.9736, 44.7000,
63.4954

■ 30.9736, 44.7000,
63.4954

■ 30.9741, 44.7008,
63.4964

■ 31.3845, 45.0827,
63.5484

■ 32.1041, 45.6242,
63.6150

■ 33.2401, 46.3809,
63.7012

■ 34.8491, 47.3819,
63.8096

■ 36.9788, 48.6520,
63.9425

■ 39.6713, 50.2128,
64.1019

■ 42.9642, 52.0837,
64.2895

■ 46.8921, 54.2824,
64.5068

■ 51.4867, 56.8255,
64.7555

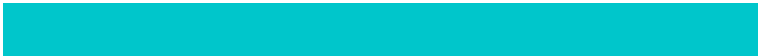
Harmonies

Analogous

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



30.4460, 44.7000, 42.4281



30.9736, 44.7000, 63.4954



34.3886, 44.7000, 85.2105

Triad

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



30.9736, 44.7000, 63.4954



53.8326, 44.7000, 77.9798



44.8072, 44.7000, 19.4981

Complementary

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



30.9736, 44.7000, 63.4954



24.6840, 12.8063, 1.1722

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.



51.7641, 44.7000, 24.4325



30.9736, 44.7000, 63.4954



57.3433, 44.7000, 55.4974

Square

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



30.9736, 44.7000, 63.4954



47.3883, 44.7000, 95.0528



56.5469, 44.7000, 36.3542



37.9341, 44.7000, 20.5355

Rectangle

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



30.9736, 44.7000, 63.4954



38.0758, 44.7000, 95.3016



56.5469, 44.7000, 36.3542



47.2243, 44.7000, 20.4462

Sweetspot

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



30.9750, 44.7016, 63.4965



71.6869, 87.0680, 107.6352



21.3756, 42.7203, 7.2177



14.8166, 18.3377, 23.0086



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.



30.9750, 44.7016, 63.4965



51.8391, 74.7983, 106.3130



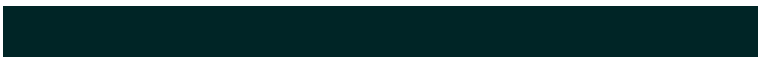
15.1611, 13.0740, 58.2252



11.5187, 12.6778, 14.4103



19.7219, 28.4678, 40.4117



1.0251, 1.4839, 2.0873

Inverse Universe

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



34.8228, 16.7751, 54.8304



58.2952, 28.0821, 91.7414



29.6713, 22.7809, 2.8346



11.6752, 11.3988, 14.0900



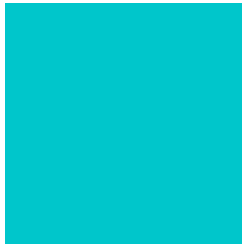
22.1656, 10.6768, 34.9204



1.1474, 0.5524, 1.8219

Previews

White Background



This preview shows how the XYZ color 30.9736, 44.7000, 63.4954 looks on a white background.

Color Contrast Check

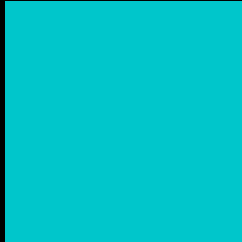
Large Text (above 18pt) WCAG AA × Fail

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 30.9736, 44.7000, 63.4954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

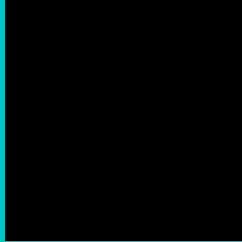
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

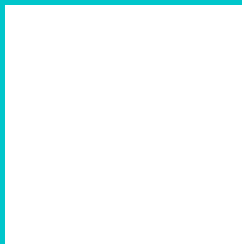
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9736, 44.7000, 63.4954

Background



This preview shows how black text looks on a background with the XYZ color 30.9736, 44.7000, 63.4954.

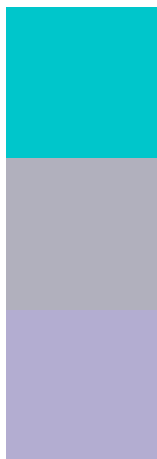


This preview shows how white text looks on a background with the XYZ color 30.9736, 44.7000,

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

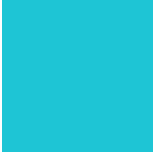
30.9736, 44.7000, 63.4954

Protanopia

42.8421, 44.0719, 54.3928

Deuteranopia

45.0426, 44.0743, 66.4548



Tritanopia

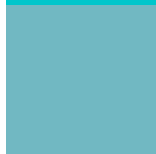
32.5119, 45.0126, 69.9255

Trichromacy



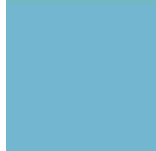
Original Color

30.9736, 44.7000, 63.4954



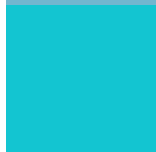
Protanomaly

33.6881, 41.6867, 57.3097



Deuteranomaly

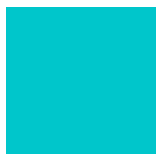
34.9299, 41.5383, 65.2082



Tritanomaly

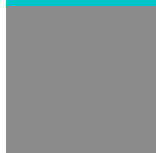
31.7434, 44.6744, 67.2716

Monochromacy



Original Color

30.9736, 44.7000, 63.4954



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.1169, 29.8250, 38.7208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9736, 44.7000, 63.4954 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, 198, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 203)  
}
```

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, 198, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 203) }
```

Border

The CSS property to change the border of an element to XYZ 30.9736, 44.7000, 63.4954 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, 198, 203) }
```


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

```
.border{ border-color:rgb(0, 198, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 198, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 198, 203); box-shadow:4px 4px 4px 4px rgb(0, 198, 203) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9736, 44.7000, 63.4954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 203) }
```

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

```
.background{ background-color: rgb(0, 198,  
203) }
```

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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