

Converting Colors

XYZ(15.1731, 36.9445, 60.3424)

Have a look what the booklet for
XYZ(15.1731, 36.9445, 60.3424)
contains.

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Color

**XYZ(30.7322, 44.9704,
61.0932)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7C7
RGB	0, 199, 199
RGB Percent	0%, 78%, 78%
CMY	0.9998, 0.2196, 0.2196
CMYK	1.00, 0.00, 0.00, 0.22
HSL	180°, 100%, 39%
HSV	180°, 100%, 78%
XYZ	30.7322, 44.9704, 61.0932
YIQ	139.4990, -118.6040, -42.1880

Conversions

Conversions Part 2

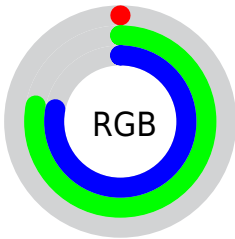
Format	Color
RYB	0, 100, 199
Decimal	51143
CIELab	72.87, -39.89, -11.73
CIELCh	73, 41.580, 196.386
Yxy	44.9704, 0.2247, 0.3287
Android (android.graphics.Color)	4278241223 (0xFF00C7C7)
YUV	139.4990, 29.3340, -122.3406
Hunter-Lab	67.0600, -35.5521, -7.0726

Details

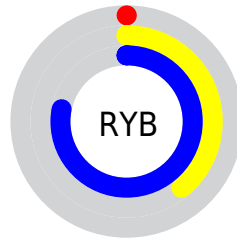
The XYZ color **30.7322, 44.9704, 61.0932** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **23.5546, 12.1435, 1.1036**, and the grayscale version is **24.6612, 25.9455, 28.2547**.

A 20% lighter version of the original color is **59.6357, 81.7433, 107.2426**, and **15.0841, 21.9909, 30.2377** is the 20% darker color. If you saturate the color by 10%, you get **30.7331, 44.9718, 61.0943**, and if you desaturate by 10%, it is **31.0204, 45.1199, 61.1078**.

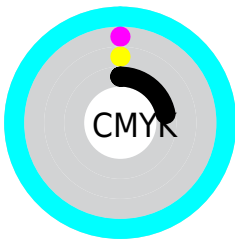
Distribution



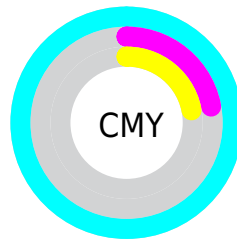
- Red (0%)
- Green (78%)
- Blue (78%)



- Red (0%)
- Yellow (39%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7322, 44.9704, 61.0932 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 30.7322, 44.9704, 61.0932 by changing the saturation by 10% instead.


 30.7322, 44.9704,
61.0932


 30.7322, 44.9704,
61.0932


297.1516,
366.6537, 446.5317


 20.5458, 31.4341,
43.8693

 60.1969, 82.6760,
107.9727


 12.9030, 20.9296,
30.2314


 80.2060, 107.6141,
138.4655


 7.4383, 13.0726,
19.7607


 104.2200,
137.1216, 174.2182

 3.7865, 7.4785,
12.0389

 132.6043,
171.5828, 215.6496

 1.5820, 3.7631,
6.6473

 165.7243,
211.3823, 263.1781

 0.3807, 1.5420,
3.1674

203.9452,

 0.0000, 0.3180,

256.9043, 317.2222

1.1808

247.6326,
308.5333, 378.2006

■ 0.0000, 0.0000,
0.0000

■ 30.7322, 44.9704,
61.0932

■ 30.7322, 44.9704,
61.0932

■ 30.7331, 44.9718,
61.0943

■ 31.0204, 45.1199,
61.1078

■ 31.6020, 45.4197,
61.1351

■ 32.5810, 45.9244,
61.1810

■ 34.0112, 46.6617,
61.2481

■ 35.9381, 47.6551,
61.3384

■ 38.4017, 48.9251,
61.4538

■ 41.4378, 50.4903,
61.5959

■ 45.0793, 52.3676,
61.7665

■ 49.3565, 54.5725,
61.9667

Harmonies

Analogous

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



30.5925, 44.9704, 40.1692



30.7322, 44.9704, 61.0932



33.8431, 44.9704, 83.8661

Triad

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



30.7322, 44.9704, 61.0932



53.6327, 44.9704, 81.9291



46.1035, 44.9704, 19.5430

Complementary

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



30.7322, 44.9704, 61.0932



23.5546, 12.1435, 1.1036

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.



53.0806, 44.9704, 25.4040



30.7322, 44.9704, 61.0932



57.7476, 44.9704, 58.9596

Square

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



30.7322, 44.9704, 61.0932



46.7910, 44.9704, 98.0271



57.5349, 44.9704, 38.5588



38.9355, 44.9704, 19.8148

Rectangle

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



30.7322, 44.9704, 61.0932



37.4066, 44.9704, 95.3223



57.5349, 44.9704, 38.5588



48.5642, 44.9704, 20.7700

Sweetspot

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



30.7336, 44.9721, 61.0943



72.2849, 88.2642, 107.8341



20.4663, 40.8700, 6.8111



14.9625, 18.6295, 23.0571



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.



30.7336, 44.9721, 61.0943



53.8097, 78.7399, 106.9682



15.1437, 13.7921, 55.8986



10.9468, 12.0676, 13.6698



19.7614, 28.9169, 39.2837



0.9357, 1.3692, 1.8601

Inverse Universe

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



23.5546, 12.1435, 1.1036



41.2400, 21.2600, 1.9301



27.7558, 20.5458, 2.5040



10.6339, 10.6369, 11.0554



15.1453, 7.8077, 0.7088



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 30.7322, 44.9704, 61.0932 looks on a white background.

Color Contrast Check

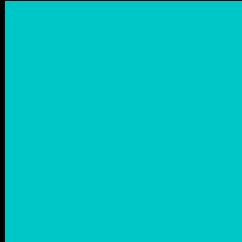
Large Text (above 18pt) WCAG AA × Fail

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 30.7322, 44.9704, 61.0932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

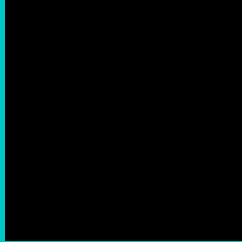
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

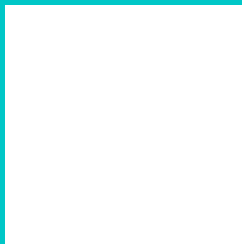
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7322, 44.9704, 61.0932

Background



This preview shows how black text looks on a background with the XYZ color 30.7322, 44.9704, 61.0932.

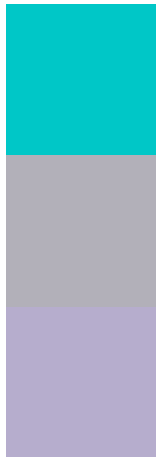


This preview shows how white text looks on a background with the XYZ color 30.7322, 44.9704,

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

30.7322, 44.9704, 61.0932

Protanopia

42.6424, 44.0184, 52.1479

Deuteranopia

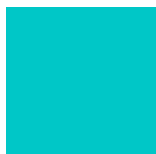
45.2544, 44.2400, 63.9116



Tritanopia

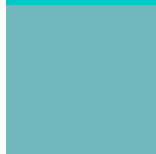
32.7040, 45.1117, 69.9345

Trichromacy



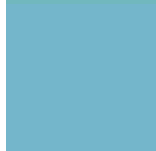
Original Color

30.7322, 44.9704, 61.0932



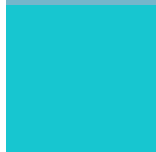
Protanomaly

33.2448, 41.5094, 54.9751



Deuteranomaly

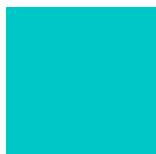
34.7099, 41.4807, 62.6771



Tritanomaly

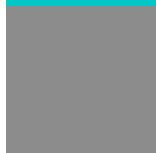
31.9326, 45.1244, 66.7014

Monochromacy



Original Color

30.7322, 44.9704, 61.0932



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.2977, 30.1868, 38.3169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7322, 44.9704, 61.0932 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, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 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, 199, 199) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 30.7322, 44.9704, 61.0932 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, 199, 199) }
```


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

```
.border{ border-color:rgb(0, 199, 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, 199, 199)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 30.7322, 44.9704, 61.0932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 199) }
```

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

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