

Converting Colors

XYZ(29.9631, 42.4876, 63.7485)

Have a look what the booklet for
XYZ(29.9631, 42.4876, 63.7485)
contains.

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Color

**XYZ(29.9690, 42.4996,
63.7504)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1CC
RGB	0, 193, 204
RGB Percent	0%, 76%, 80%
CMY	0.9998, 0.2431, 0.2000
CMYK	1.00, 0.05, 0.00, 0.20
HSL	183°, 100%, 40%
HSV	183°, 100%, 80%
XYZ	29.9690, 42.4996, 63.7504
YIQ	136.5470, -118.5590, -37.4950

Conversions

Conversions Part 2

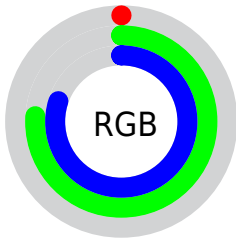
Format	Color
RYB	0, 99, 204
Decimal	49612
CIELab	71.21, -35.61, -16.95
CIELCh	71, 39.435, 205.452
Yxy	42.4996, 0.2200, 0.3120
Android (android.graphics.Color)	4278239692 (0xFF00C1CC)
YUV	136.5470, 33.2543, -119.7517
Hunter-Lab	65.1917, -32.0280, -12.3450

Details

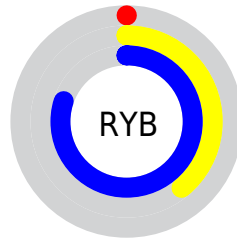
The XYZ color **29.9690, 42.4996, 63.7504** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.0225, 13.0778, 1.2066**, and the grayscale version is **23.5228, 24.7478, 26.9504**.

A 20% lighter version of the original color is **58.0613, 78.5945, 106.7178**, and **14.7376, 20.6672, 32.0666** is the 20% darker color. If you saturate the color by 10%, you get **29.9694, 42.4999, 63.7513**, and if you desaturate by 10%, it is **30.5115, 43.1425, 63.8467**.

Distribution



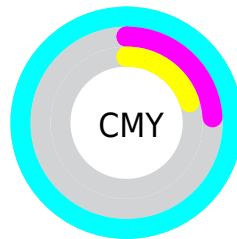
- Red (0%)
- Green (76%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9690, 42.4996, 63.7504 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 29.9690, 42.4996, 63.7504 by changing the saturation by 10% instead.

■ 29.9690, 42.4996,
63.7504

■ 29.9690, 42.4996,
63.7504

293.6723,
356.5498, 456.4704

■ 19.9630, 29.4927,
46.0037

■ 59.0001, 78.9552,
111.8474

■ 12.4763, 19.4538,
31.9000

■ 78.7560, 103.1727,
143.0347

■ 7.1434, 11.9987,
21.0210

■ 102.4925,
131.8958, 179.5393

■ 3.5991, 6.7428,
12.9479

■ 130.5750,
165.5089, 221.7798

■ 1.4779, 3.3018,
7.2624

■ 163.3689,
204.3965, 270.1745

■ 0.3107, 1.2912,
3.5458

201.2395,

■ 0.0000, 0.1344,

248.9429, 325.1422

1.3796

244.5522,
299.5326, 387.1013

■ 0.0000, 0.0000,
0.1258

■ 0.0000, 0.0000,
0.0000

■ 29.9690, 42.4996,
63.7504

■ 29.9690, 42.4996,
63.7504

■ 29.9694, 42.4999,
63.7513

■ 30.5115, 43.1425,
63.8467

■ 31.3679, 43.9491,
63.9572

■ 32.6469, 44.9761,
64.0881

■ 34.4056, 46.2532,
64.2419

■ 36.6926, 47.8054,
64.4210

■ 39.5503, 49.6545,
64.6272

■ 43.0169, 51.8202,
64.8626

■ 47.1272, 54.3204,
65.1285

■ 51.9136, 57.1719,
65.4266

Harmonies

Analogous

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



29.0013, 42.4996, 43.4475



29.9690, 42.4996, 63.7504



33.6058, 42.4996, 83.2050

Triad

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



29.9690, 42.4996, 63.7504



51.7958, 42.4996, 70.1440



41.4111, 42.4996, 18.6435

Complementary

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



29.9690, 42.4996, 63.7504



25.0225, 13.0778, 1.2066

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.



48.0411, 42.4996, 22.2991



29.9690, 42.4996, 63.7504



54.4382, 42.4996, 49.2223

Square

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



29.9690, 42.4996, 63.7504



46.1077, 42.4996, 87.5473



52.9947, 42.4996, 32.3260



35.1741, 42.4996, 20.5712

Rectangle

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



29.9690, 42.4996, 63.7504



37.2847, 42.4996, 91.2168



52.9947, 42.4996, 32.3260



43.6727, 42.4996, 19.2236

Sweetspot

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



29.9703, 42.5012, 63.7514



70.9831, 85.6604, 107.4007



21.6497, 43.2090, 7.4931



14.6452, 17.9949, 22.9514



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.



29.9703, 42.5012, 63.7514



49.5792, 70.2784, 105.5597



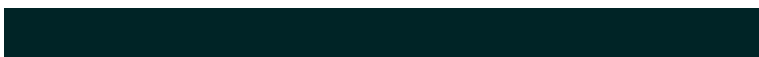
14.7115, 11.9835, 58.6652



11.4894, 12.6193, 14.4006



18.8852, 26.7944, 40.1328



0.9905, 1.4147, 2.0758

Inverse Universe

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



34.5286, 16.6888, 51.8552



57.1545, 27.6258, 85.7346



30.7207, 24.4743, 3.1060



11.6604, 11.3929, 14.0123



21.7433, 10.5079, 32.6965



1.1299, 0.5454, 1.7298

Previews

White Background



This preview shows how the XYZ color 29.9690, 42.4996, 63.7504 looks on a white background.

Color Contrast Check

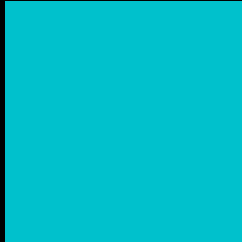
Large Text (above 18pt) WCAG AA × Fail

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 29.9690, 42.4996, 63.7504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

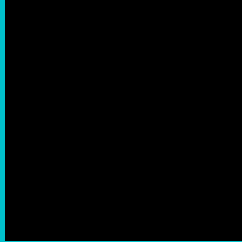
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

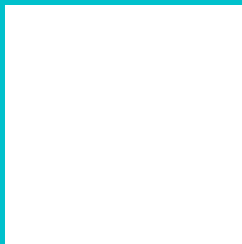
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9690, 42.4996, 63.7504

Background



This preview shows how black text looks on a background with the XYZ color 29.9690, 42.4996, 63.7504.

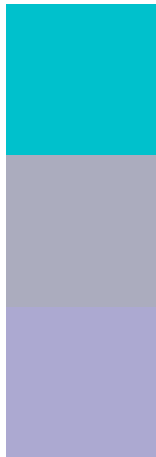


This preview shows how white text looks on a background with the XYZ color 29.9690, 42.4996,

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

29.9690, 42.4996, 63.7504

Protanopia

40.8414, 41.8807, 54.6464

Deuteranopia

42.7098, 41.7500, 66.1291



Tritanopia

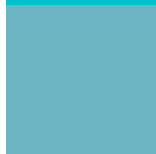
30.5441, 42.4128, 66.2512

Trichromacy



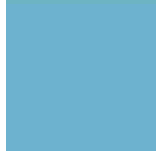
Original Color

29.9690, 42.4996, 63.7504



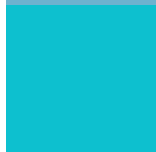
Protanomaly

32.4783, 39.8339, 57.6067



Deuteranomaly

33.4896, 39.5970, 64.9094



Tritanomaly

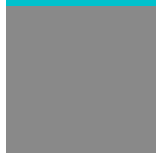
30.2781, 42.2898, 65.5984

Monochromacy



Original Color

29.9690, 42.4996, 63.7504



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.4205, 28.7134, 38.0788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9690, 42.4996, 63.7504 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, 193, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 204)  
}
```

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, 193, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 204) }
```

Border

The CSS property to change the border of an element to XYZ 29.9690, 42.4996, 63.7504 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, 193, 204) }
```


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

```
.border{ border-color:rgb(0, 193, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 193, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9690, 42.4996, 63.7504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 204) }
```

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

```
.background{ background-color: rgb(0, 193,  
204) }
```

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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