

Converting Colors

XYZ(21.5439, 43.3176, 61.6975)

Have a look what the booklet for
XYZ(21.5439, 43.3176, 61.6975)
contains.

XYZ(32.9812, 49.2819, 62.4176)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.9812, 49.2819,
62.4176)**

Conversions

Conversions Part 1

Format	Color
Hex	00D0C8
RGB	0, 208, 200
RGB Percent	0%, 82%, 78%
CMY	0.9998, 0.1843, 0.2157
CMYK	1.00, 0.00, 0.04, 0.18
HSL	178°, 100%, 41%
HSV	178°, 100%, 82%
XYZ	32.9812, 49.2819, 62.4176
YIQ	144.8960, -121.4000, -46.5840

Conversions

Conversions Part 2

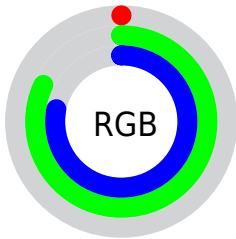
Format	Color
RYB	0, 106, 208
Decimal	53448
CIELab	75.63, -43.59, -8.17
CIELCh	76, 44.345, 190.611
Yxy	49.2819, 0.2280, 0.3406
Android (android.graphics.Color)	4278243528 (0xFF00D0C8)
YUV	144.8960, 27.1663, -127.0738
Hunter-Lab	70.2011, -38.9907, -3.5755

Details

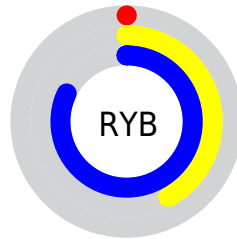
The XYZ color **32.9812, 49.2819, 62.4176** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.0579, 13.4289, 1.4497**, and the grayscale version is **26.8058, 28.2018, 30.7118**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.5795, 24.8578, 31.1183** is the 20% darker color. If you saturate the color by 10%, you get **32.9819, 49.2834, 62.4177**, and if you desaturate by 10%, it is **33.3819, 49.4787, 62.9271**.

Distribution



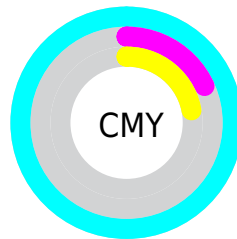
- Red (0%)
- Green (82%)
- Blue (78%)



- Red (0%)
- Yellow (42%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9812, 49.2819, 62.4176 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 32.9812, 49.2819, 62.4176 by changing the saturation by 10% instead.


 32.9812, 49.2819,
62.4176


 32.9812, 49.2819,
62.4176


307.2315,
383.8510, 451.5024


 22.2712, 34.8432,
44.9322


 63.7011, 89.1100,
109.9063


 14.1740, 23.5421,
31.0615


 84.4416, 115.2681,
140.7467


 8.3243, 14.9943,
20.3868


 109.2564,
146.1015, 176.8759

 4.3567, 8.8154,
12.4897

 138.5108,
181.9946, 218.7124

 1.9059, 4.6210,
6.9515

 172.5702,
223.3316, 266.6748

 0.5802, 2.0266,
3.3538

211.7998,

 0.0000, 0.6229,

270.4971, 321.1815

1.2780

256.5652,
323.8755, 382.6512

■ 0.0000, 0.0000,
0.0437

■ 0.0000, 0.0000,
0.0000

■ 32.9812, 49.2819,
62.4176

■ 32.9812, 49.2819,
62.4176

■ 32.9819, 49.2834,
62.4177

■ 33.3819, 49.4787,
62.9271

■ 34.1106, 49.8435,
63.4533

■ 35.2796, 50.4352,
64.0028

■ 36.9492, 51.2849,
64.5782

■ 39.1703, 52.4188,
65.1820

■ 41.9873, 53.8599,
65.8163

■ 45.4403, 55.6288,
66.4829

■ 49.5660, 57.7445,
67.1836

■ 54.3980, 60.2242,
67.9200

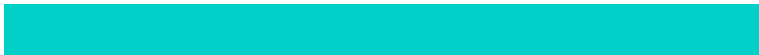
Harmonies

Analogous

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



33.4784, 49.2819, 40.0126



32.9812, 49.2819, 62.4176



35.8550, 49.2819, 88.7742

Triad

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



32.9812, 49.2819, 62.4176



57.8801, 49.2819, 95.7929



52.2768, 49.2819, 21.3252

Complementary

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



32.9812, 49.2819, 62.4176



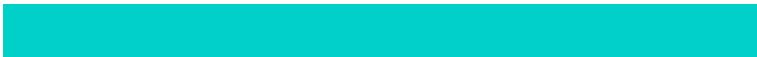
26.0579, 13.4289, 1.4497

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.



59.8689, 49.2819, 29.2934



32.9812, 49.2819, 62.4176



63.3562, 49.2819, 70.1026

Square

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



32.9812, 49.2819, 62.4176



49.8067, 49.2819, 111.4555



64.1238, 49.2819, 45.7617



43.9953, 49.2819, 20.3721

Rectangle

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



32.9812, 49.2819, 62.4176



39.5168, 49.2819, 103.4462



64.1238, 49.2819, 45.7617



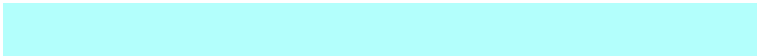
55.0184, 49.2819, 23.1321

Sweetspot

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



32.9827, 49.2837, 62.4188



71.8147, 88.0761, 105.3578



22.6876, 45.1808, 7.5263



14.8478, 18.5837, 22.4532



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.



32.9827, 49.2837, 62.4188



52.2702, 78.1241, 98.8615



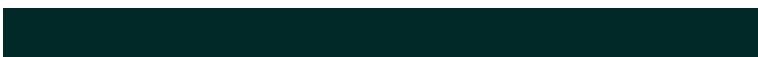
17.4510, 16.6844, 61.9772



12.1379, 13.3989, 15.0826



20.5641, 30.7186, 38.9460



1.1561, 1.7201, 2.2106

Inverse Universe

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



26.0579, 13.4289, 1.4497



41.2938, 21.2815, 2.2131



29.9830, 21.3494, 2.5418



11.8269, 11.8155, 12.3643



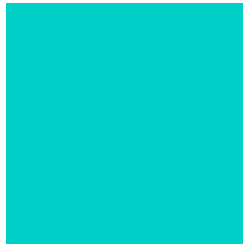
16.2479, 8.3720, 0.9456



0.9151, 0.4708, 0.0877

Previews

White Background



This preview shows how the XYZ color 32.9812, 49.2819, 62.4176 looks on a white background.

Color Contrast Check

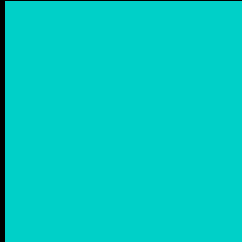
Large Text (above 18pt) WCAG AA × Fail

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 32.9812, 49.2819, 62.4176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

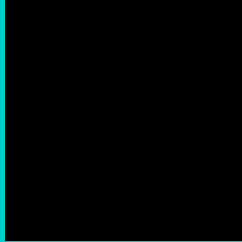
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

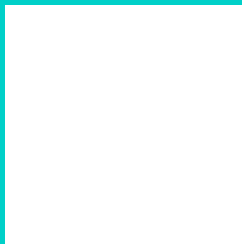
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9812, 49.2819, 62.4176

Background



This preview shows how black text looks on a background with the XYZ color 32.9812, 49.2819, 62.4176.

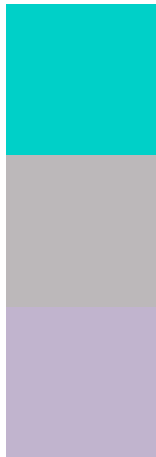


This preview shows how white text looks on a background with the XYZ color 32.9812, 49.2819,

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

32.9812, 49.2819, 62.4176

Protanopia

46.7425, 48.5175, 53.3556

Deuteranopia

49.4542, 48.4362, 65.1351



Tritanopia

35.9212, 49.4186, 76.0521

Trichromacy



Original Color

32.9812, 49.2819, 62.4176



Protanomaly

36.2197, 45.8946, 56.2398



Deuteranomaly

37.4809, 45.3975, 63.9139



Tritanomaly

34.5604, 49.1936, 70.6246

Monochromacy



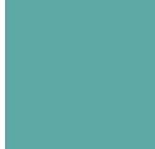
Original Color

32.9812, 49.2819, 62.4176



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.2078, 32.9972, 40.6378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9812, 49.2819, 62.4176 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, 208, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 200)  
}
```

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, 208, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 200) }
```

Border

The CSS property to change the border of an element to XYZ 32.9812, 49.2819, 62.4176 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, 208, 200) }
```


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

```
.border{ border-color:rgb(0, 208, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9812, 49.2819, 62.4176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 200) }
```

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

```
.background{ background-color: rgb(0, 208,  
200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor