

Converting Colors

XYZ(31.9476, 43.3851, 69.0597)

Have a look what the booklet for
XYZ(31.9476, 43.3851, 69.0597)
contains.

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Color

**XYZ(31.9499, 43.4070,
68.9818)**

Conversions

Conversions Part 1

Format	Color
Hex	2BC1D4
RGB	43, 193, 212
RGB Percent	17%, 76%, 83%
CMY	0.8313, 0.2431, 0.1686
CMYK	0.80, 0.09, 0.00, 0.17
HSL	187°, 66%, 50%
HSV	187°, 80%, 83%
XYZ	31.9499, 43.4070, 68.9818
YIQ	150.3160, -95.4990, -25.8910

Conversions

Conversions Part 2

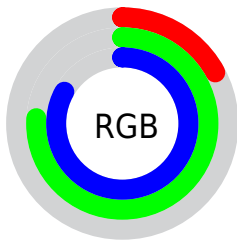
Format	Color
RYB	43, 122, 212
Decimal	2867668
CIELab	71.83, -30.93, -20.34
CIELCh	72, 37.015, 213.335
Yxy	43.4070, 0.2214, 0.3007
Android (android.graphics.Color)	4281057748 (0xFF2BC1D4)
YUV	150.3160, 30.4102, -94.1161
Hunter-Lab	65.8840, -28.7349, -15.9590

Details

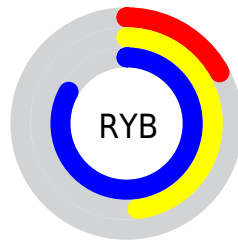
The XYZ color **31.9499, 43.4070, 68.9818** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **29.3114, 17.6185, 4.1428**, and the grayscale version is **29.0299, 30.5417, 33.2599**.

A 20% lighter version of the original color is **59.7068, 79.4428, 106.7948**, and **15.3184, 20.8996, 35.1249** is the 20% darker color. If you saturate the color by 10%, you get **30.7585, 42.0178, 68.7773**, and if you desaturate by 10%, it is **33.6139, 45.0542, 69.2129**.

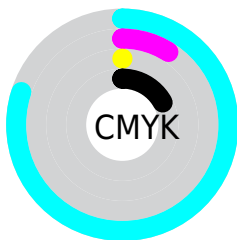
Distribution



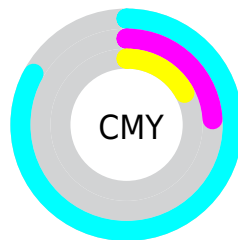
- Red (17%)
- Green (76%)
- Blue (83%)



- Red (17%)
- Yellow (48%)
- Blue (83%)



- Cyan (80%)
- Magenta (9%)
- Yellow (0%)
- Black (17%)



- Cyan (83%)
- Magenta (24%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9499, 43.4070, 68.9818 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 31.9499, 43.4070, 68.9818 by changing the saturation by 10% instead.

31.9499, 43.4070,
68.9818

31.9499, 43.4070,
68.9818

302.6403,
360.2829, 475.6590

21.4786, 30.2046,
50.2252

62.0983, 80.3247,
119.4230

13.5887, 19.9939,
35.2200

82.5060, 104.8087,
151.9448

7.9150, 12.3906,
23.5474

106.9567,
133.8221, 189.8920

4.0919, 7.0103,
14.7892

135.8155,
167.7492, 233.6832

1.7543, 3.4685,
8.5266

169.4480,
206.9745, 283.7370

0.4899, 1.3810,
4.3411

208.2193,

0.0000, 0.2026,

251.8822, 340.4718

1.8143

252.4950,
302.8569, 404.3063

■ 0.0000, 0.0000,
0.4374

■ 0.0000, 0.0000,
0.0000

■ 31.9499, 43.4070,
68.9818

■ 31.9499, 43.4070,
68.9818

■ 30.7585, 42.0178,
68.7773

■ 33.6139, 45.0542,
69.2129

■ 29.9252, 40.8248,
68.5909

■ 35.8094, 46.9872,
69.4703

■ 29.9027, 40.7913,
68.5856

■ 38.5908, 49.2350,
69.7575

■ 42.0048, 51.8217,
70.0769

■ 46.0933, 54.7689,
70.4303

■ 50.8945, 58.0965,
70.8195

■ 56.4438, 61.8226,
71.2462

■ 62.7742, 65.9644,
71.7120

■ 69.9167, 70.5380,
72.2184

Harmonies

Analogous

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



30.3167, 43.4070, 49.3080



31.9499, 43.4070, 68.9818



36.0610, 43.4070, 85.4933

Triad

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



31.9499, 43.4070, 68.9818



53.0441, 43.4070, 64.5849



40.5570, 43.4070, 20.4196

Complementary

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



31.9499, 43.4070, 68.9818



29.3114, 17.6185, 4.1428

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.



46.9297, 43.4070, 22.5635



31.9499, 43.4070, 68.9818



54.5558, 43.4070, 45.2750

Square

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



31.9499, 43.4070, 68.9818



48.2711, 43.4070, 82.5347



52.2160, 43.4070, 30.6607



34.9577, 43.4070, 23.8177

Rectangle

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



31.9499, 43.4070, 68.9818



39.8684, 43.4070, 90.7209



52.2160, 43.4070, 30.6607



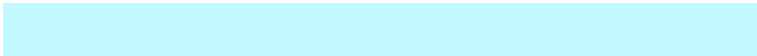
42.6776, 43.4070, 20.5200

Sweetspot

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



31.9513, 43.4086, 68.9829



73.8510, 85.8712, 107.2902



25.3540, 47.9268, 12.1775



15.2567, 17.9966, 22.9195



0.0000, 0.0000, 0.0000



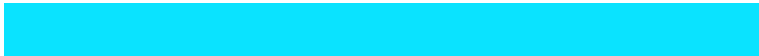
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.9513, 43.4086, 68.9829



45.7777, 62.4859, 104.2560



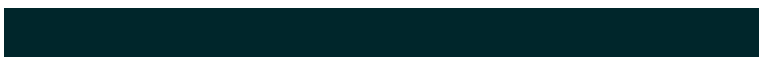
18.5226, 16.5513, 64.5066



12.6674, 13.8583, 15.9448



18.5066, 25.2750, 42.3563



1.1509, 1.5939, 2.5663

Inverse Universe

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



37.6421, 19.5764, 52.2484



55.2819, 27.0539, 75.3277



37.6230, 34.2417, 6.9133



12.8901, 12.6075, 15.3614



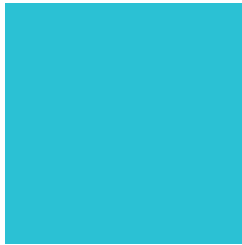
22.4001, 10.8964, 30.4748



1.3686, 0.6642, 1.9303

Previews

White Background



This preview shows how the XYZ color 31.9499, 43.4070, 68.9818 looks on a white background.

Color Contrast Check

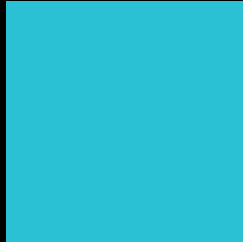
Large Text (above 18pt) WCAG AA × Fail

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 31.9499, 43.4070, 68.9818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

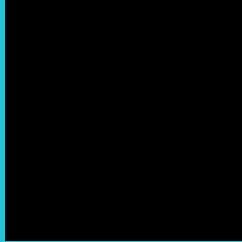
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9499, 43.4070, 68.9818

Background



This preview shows how black text looks on a background with the XYZ color 31.9499, 43.4070, 68.9818.



This preview shows how white text looks on a background with the XYZ color 31.9499, 43.4070,

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

31.9499, 43.4070, 68.9818

Protanopia

41.8299, 42.5567, 60.0424

Deuteranopia

43.6649, 42.6816, 71.5826



Tritanopia

31.4537, 43.1945, 67.0012

Trichromacy



Original Color

31.9499, 43.4070, 68.9818



Protanomaly

35.5325, 41.2872, 63.2232



Deuteranomaly

36.6980, 41.4316, 70.3529



Tritanomaly

31.6173, 43.2645, 67.6572

Monochromacy



Original Color

31.9499, 43.4070, 68.9818



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.7346, 33.6691, 44.5722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9499, 43.4070, 68.9818 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(43, 193, 212)` looks like.

```
.text, #text, p{  
    color:rgb(43, 193, 212)  
}
```

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(43, 193, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 193, 212) }
```

Border

The CSS property to change the border of an element to XYZ 31.9499, 43.4070, 68.9818 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(43, 193, 212) }
```


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

```
.border{ border-color:rgb(43, 193, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 193, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 193, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 193, 212);  
box-shadow:4px 4px 4px 4px rgb(43, 193,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9499, 43.4070, 68.9818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 193, 212) }
```

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

```
.background{ background-color: rgb(43, 193,  
212) }
```

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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