

Converting Colors

XYZ(31.9314, 47.3211, 61.6396)

Have a look what the booklet for
XYZ(31.9314, 47.3211, 61.6396)
contains.

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Color

**XYZ(31.9017, 47.3093,
61.4830)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCC7
RGB	0, 204, 199
RGB Percent	0%, 80%, 78%
CMY	0.9998, 0.2000, 0.2196
CMYK	1.00, 0.00, 0.02, 0.20
HSL	179°, 100%, 40%
HSV	179°, 100%, 80%
XYZ	31.9017, 47.3093, 61.4830
YIQ	142.4340, -119.9790, -44.8030

Conversions

Conversions Part 2

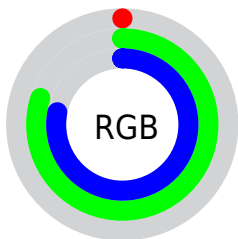
Format	Color
RYB	0, 103, 204
Decimal	52423
CIELab	74.39, -42.12, -9.47
CIELCh	74, 43.172, 192.669
Yxy	47.3093, 0.2267, 0.3363
Android (android.graphics.Color)	4278242503 (0xFF00CC7)
YUV	142.4340, 27.8870, -124.9146
Hunter-Lab	68.7818, -37.5779, -4.8512

Details

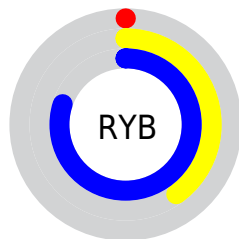
The XYZ color **31.9017, 47.3093, 61.4830** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.9308, 12.8498, 1.3112**, and the grayscale version is **25.8159, 27.1604, 29.5777**.

A 20% lighter version of the original color is **59.7539, 81.8042, 107.2482**, and **15.8583, 23.5392, 30.4958** is the 20% darker color. If you saturate the color by 10%, you get **31.9024, 47.3107, 61.4834**, and if you desaturate by 10%, it is **32.2584, 47.4875, 61.8045**.

Distribution



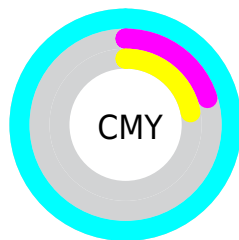
- Red (0%)
- Green (80%)
- Blue (78%)



- Red (0%)
- Yellow (40%)
- Blue (80%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9017, 47.3093, 61.4830 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 31.9017, 47.3093, 61.4830 by changing the saturation by 10% instead.

31.9017, 47.3093,
61.4830

31.9017, 47.3093,
61.4830

302.4245,
376.0478, 447.9982

21.4416, 33.2802,
44.1820

62.0232, 86.1751,
108.5423

13.5615, 22.3412,
30.4754

82.4153, 111.7807,
139.1377

7.8960, 14.1078,
19.9446

106.8488,
142.0138, 175.0016

4.0797, 8.1957,
12.1711

135.6890,
177.2590, 216.5526

1.7473, 4.2204,
6.7364

169.3014,
217.9006, 264.2092

0.4856, 1.7976,
3.2218

208.0511,

0.0000, 0.4857,

264.3230, 318.3900

1.2090

252.3037,
316.9106, 379.5135

■ 0.0000, 0.0000,
0.0000

■ 31.9017, 47.3093,
61.4830

■ 31.9017, 47.3093,
61.4830

■ 31.9024, 47.3107,
61.4834

■ 32.2584, 47.4875,
61.8045

■ 32.9275, 47.8257,
62.1406

■ 34.0174, 48.3808,
62.4973

■ 35.5855, 49.1824,
62.8775

■ 37.6802, 50.2554,
63.2833

■ 40.3441, 51.6219,
63.7167

■ 43.6152, 53.3014,
64.1795

■ 47.5285, 55.3118,
64.6734

■ 52.1162, 57.6700,
65.1999

Harmonies

Analogous

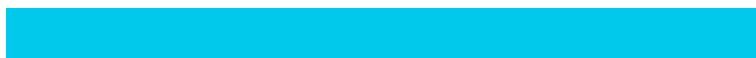
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.1527, 47.3093, 39.7824



31.9017, 47.3093, 61.4830



34.8461, 47.3093, 86.3161

Triad

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



31.9017, 47.3093, 61.4830



55.8774, 47.3093, 89.8368



49.5676, 47.3093, 20.4994

Complementary

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



31.9017, 47.3093, 61.4830



24.9308, 12.8498, 1.3112

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.



56.8771, 47.3093, 27.6033



31.9017, 47.3093, 61.4830



60.7983, 47.3093, 65.3461

Square

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



31.9017, 47.3093, 61.4830



48.3248, 47.3093, 105.5866



61.1840, 47.3093, 42.6815



41.7667, 47.3093, 20.0156

Rectangle

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



31.9017, 47.3093, 61.4830



38.4461, 47.3093, 99.6710



61.1840, 47.3093, 42.6815



52.1844, 47.3093, 22.0720

Sweetspot

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



31.9031, 47.3111, 61.4841



71.9844, 88.1440, 106.2516



21.6795, 43.2315, 7.2032



14.8892, 18.6002, 22.6710



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.



31.9031, 47.3111, 61.4841



52.8194, 78.3437, 101.7534



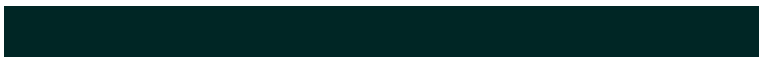
16.3498, 15.2596, 59.2123



11.5309, 12.7221, 14.3533



20.0845, 29.7791, 38.7253



1.0400, 1.5378, 2.0181

Inverse Universe

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



24.9308, 12.8498, 1.3112



41.2743, 21.2737, 2.1104



29.0155, 21.0630, 2.5376



11.2233, 11.2180, 11.7105



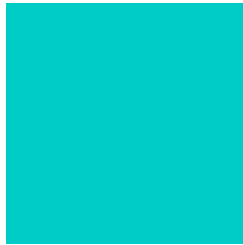
15.6958, 8.0889, 0.8508



0.8137, 0.4189, 0.0649

Previews

White Background



This preview shows how the XYZ color 31.9017, 47.3093, 61.4830 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 31.9017, 47.3093, 61.4830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

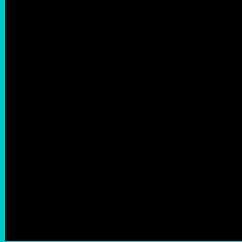
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

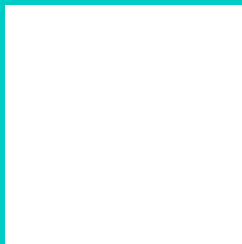
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9017, 47.3093, 61.4830

Background



This preview shows how black text looks on a background with the XYZ color 31.9017, 47.3093, 61.4830.

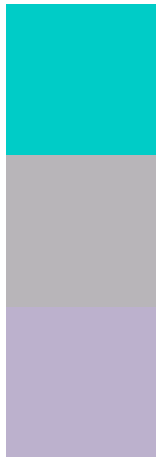


This preview shows how white text looks on a background with the XYZ color 31.9017, 47.3093,

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

31.9017, 47.3093, 61.4830

Protanopia

45.0480, 46.7409, 52.5465

Deuteranopia

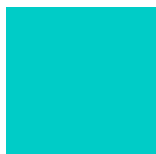
47.4806, 46.5434, 64.2389



Tritanopia

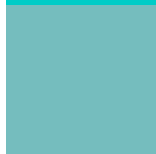
34.4560, 47.3067, 73.6447

Trichromacy



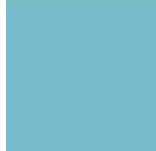
Original Color

31.9017, 47.3093, 61.4830



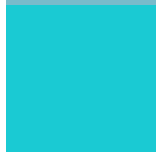
Protanomaly

34.8280, 43.8948, 55.3521



Deuteranomaly

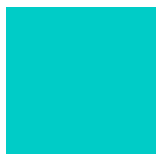
36.2955, 43.8455, 63.0500



Tritanomaly

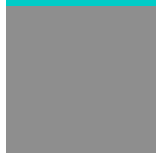
33.3044, 47.1638, 68.9762

Monochromacy



Original Color

31.9017, 47.3093, 61.4830



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.2824, 31.7283, 39.4947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9017, 47.3093, 61.4830 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, 204, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 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, 204, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.9017, 47.3093, 61.4830 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, 204, 199) }
```


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

```
.border{ border-color:rgb(0, 204, 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, 204, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9017, 47.3093, 61.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 199) }
```

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

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