

Converting Colors

XYZ(24.9276, 44.9328, 47.6131)

Have a look what the booklet for
XYZ(24.9276, 44.9328, 47.6131)
contains.

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Color

**XYZ(29.9528, 47.6816,
47.6692)**

Conversions

Conversions Part 1

Format	Color
Hex	00CFAE
RGB	0, 207, 174
RGB Percent	0%, 81%, 68%
CMY	0.9999, 0.1882, 0.3176
CMYK	1.00, 0.00, 0.16, 0.19
HSL	170°, 100%, 41%
HSV	170°, 100%, 81%
XYZ	29.9528, 47.6816, 47.6692
YIQ	141.3450, -112.7790, -54.1470

Conversions

Conversions Part 2

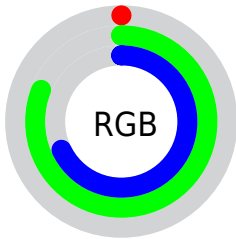
Format	Color
RYB	0, 112, 207
Decimal	53166
CIELab	74.62, -50.37, 4.38
CIELCh	75, 50.556, 175.026
Yxy	47.6816, 0.2390, 0.3805
Android (android.graphics.Color)	4278243246 (0xFF00CFAE)
YUV	141.3450, 16.0989, -123.9596
Hunter-Lab	69.0519, -43.4124, 7.4061

Details

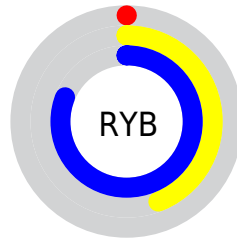
The XYZ color **29.9528, 47.6816, 47.6692** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.0084, 13.3766, 2.6526**, and the grayscale version is **25.4278, 26.7521, 29.1330**.

A 20% lighter version of the original color is **55.6118, 80.1202, 86.6624**, and **14.5795, 23.5384, 22.1873** is the 20% darker color. If you saturate the color by 10%, you get **29.9532, 47.6830, 47.6675**, and if you desaturate by 10%, it is **30.5832, 47.9701, 49.4004**.

Distribution



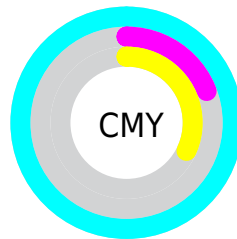
- Red (0%)
- Green (81%)
- Blue (68%)



- Red (0%)
- Yellow (44%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9528, 47.6816, 47.6692 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 29.9528, 47.6816, 47.6692 by changing the saturation by 10% instead.


 29.9528, 47.6816,
47.6692


 29.9528, 47.6816,
47.6692


293.5982,
377.5287, 393.9502


 19.9507, 33.5748,
33.2069


 58.9747, 86.7301,
88.0721


 12.4672, 22.5671,
22.0126

 78.7251, 112.4407,
114.8497


 7.1372, 14.2742,
13.6677


 102.4557,
142.7880, 146.5695

 3.5951, 8.3116,
7.7538

 130.5318,
178.1563, 183.6501

 1.4757, 4.2950,
3.8523

 163.3187,
218.9302, 226.5099

 0.3092, 1.8399,
1.5447

201.1818,

 0.0000, 0.5119,

265.4939, 275.5675

0.2509

244.4865,
318.2320, 331.2414

■ 0.0000, 0.0000,
0.0000

■ 29.9528, 47.6816,
47.6692

■ 29.9528, 47.6816,
47.6692

■ 29.9532, 47.6830,
47.6675

■ 30.5832, 47.9701,
49.4004

■ 31.5453, 48.4275,
51.1876

■ 32.9503, 49.1123,
53.0375

■ 34.8579, 50.0553,
54.9530

■ 37.3183, 51.2823,
56.9367

■ 40.3757, 52.8161,
58.9912

■ 44.0696, 54.6772,
61.1183

■ 48.4363, 56.8841,
63.3202

■ 53.5092, 59.4541,
65.5987

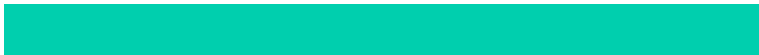
Harmonies

Analogous

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



32.3762, 47.6816, 28.0567



29.9528, 47.6816, 47.6692



31.1722, 47.6816, 76.2871

Triad

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



29.9528, 47.6816, 47.6692



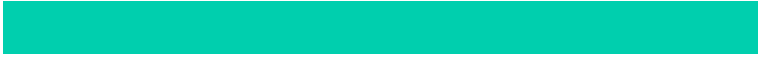
53.1788, 47.6816, 112.2774



56.1731, 47.6816, 20.6035

Complementary

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



29.9528, 47.6816, 47.6692



26.0084, 13.3766, 2.6526

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.



63.2074, 47.6816, 33.3833



29.9528, 47.6816, 47.6692



61.3220, 47.6816, 86.4926

Square

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



29.9528, 47.6816, 47.6692



43.8113, 47.6816, 120.0449



65.2077, 47.6816, 56.4103



46.8628, 47.6816, 16.1562

Rectangle

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



29.9528, 47.6816, 47.6692



33.9859, 47.6816, 96.3512



65.2077, 47.6816, 56.4103



58.9293, 47.6816, 23.8039

Sweetspot

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



29.9541, 47.6834, 47.6703



70.3828, 87.5033, 97.8176



22.9910, 44.9764, 7.4705



14.5003, 18.4446, 20.6229



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.



29.9541, 47.6834, 47.6703



47.9411, 76.3924, 76.0647



20.3537, 22.6861, 62.3396



12.0740, 13.3734, 14.7461



18.9004, 30.0531, 30.1855



1.0790, 1.6893, 1.8049

Inverse Universe

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



26.0084, 13.3766, 2.6526



41.6343, 21.4177, 4.0065



27.8628, 17.5251, 1.9151



11.8845, 11.8385, 12.6677



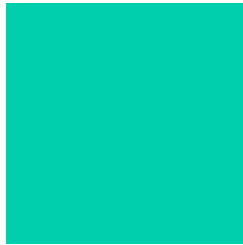
16.4083, 8.4362, 1.7905



0.9421, 0.4816, 0.2301

Previews

White Background



This preview shows how the XYZ color 29.9528, 47.6816, 47.6692 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 29.9528, 47.6816, 47.6692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

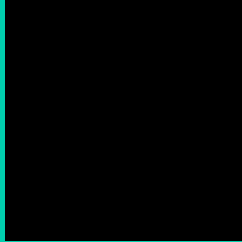
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

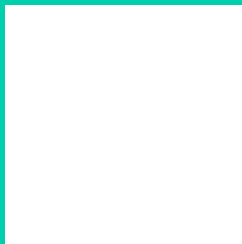
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9528, 47.6816, 47.6692

Background



This preview shows how black text looks on a background with the XYZ color 29.9528, 47.6816, 47.6692.

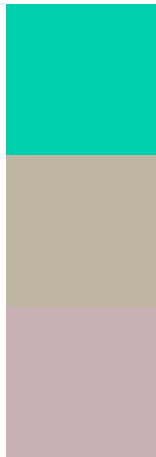


This preview shows how white text looks on a background with the XYZ color 29.9528, 47.6816,

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

29.9528, 47.6816, 47.6692

Protanopia

44.3962, 46.9763, 40.4456

Deuteranopia

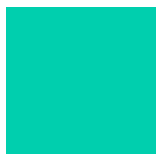
47.6852, 46.6662, 50.2103



Tritanopia

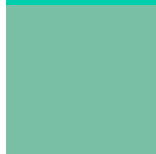
35.2147, 47.7128, 72.9991

Trichromacy



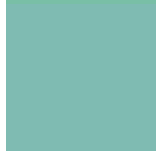
Original Color

29.9528, 47.6816, 47.6692



Protanomaly

33.3989, 44.0797, 42.8243



Deuteranomaly

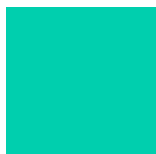
34.5586, 43.2670, 48.6494



Tritanomaly

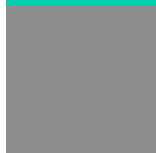
32.6979, 47.3410, 62.6727

Monochromacy



Original Color

29.9528, 47.6816, 47.6692



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.4214, 31.3838, 34.9602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9528, 47.6816, 47.6692 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, 207, 174)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 174)  
}
```

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, 207, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 174) }
```

Border

The CSS property to change the border of an element to XYZ 29.9528, 47.6816, 47.6692 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, 207, 174) }
```


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

```
.border{ border-color:rgb(0, 207, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9528, 47.6816, 47.6692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 174) }
```

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

```
.background{ background-color: rgb(0, 207,  
174) }
```

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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