

Converting Colors

XYZ(30.9824, 49.2675, 49.4716)

Have a look what the booklet for
XYZ(30.9824, 49.2675, 49.4716)
contains.

XYZ(30.9824, 49.2675, 49.4716)	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(30.9824, 49.2675,
49.4716)**

Conversions

Conversions Part 1

Format	Color
Hex	00D2B1
RGB	0, 210, 177
RGB Percent	0%, 82%, 69%
CMY	0.9999, 0.1765, 0.3059
CMYK	1.00, 0.00, 0.16, 0.18
HSL	171°, 100%, 41%
HSV	171°, 100%, 82%
XYZ	30.9824, 49.2675, 49.4716
YIQ	143.4480, -114.5670, -54.7830

Conversions

Conversions Part 2

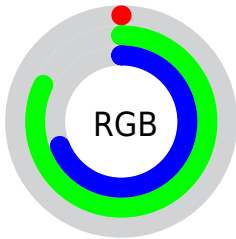
Format	Color
RYB	0, 114, 210
Decimal	53937
CIELab	75.62, -50.79, 4.21
CIElCh	76, 50.968, 175.266
Yxy	49.2675, 0.2388, 0.3798
Android (android.graphics.Color)	4278244017 (0xFF00D2B1)
YUV	143.4480, 16.5411, -125.8039
Hunter-Lab	70.1908, -44.0436, 7.3450

Details

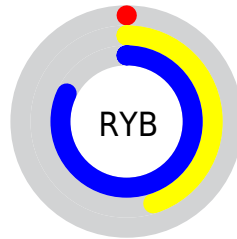
The XYZ color **30.9824, 49.2675, 49.4716** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **26.8546, 13.8128, 2.6922**, and the grayscale version is **26.2609, 27.6285, 30.0874**.

A 20% lighter version of the original color is **56.2937, 80.4064, 89.6438**, and **15.2573, 24.5919, 23.3446** is the 20% darker color. If you saturate the color by 10%, you get **30.9828, 49.2690, 49.4700**, and if you desaturate by 10%, it is **31.6264, 49.5622, 51.2413**.

Distribution



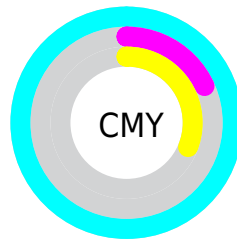
- Red (0%)
- Green (82%)
- Blue (69%)



- Red (0%)
- Yellow (45%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9824, 49.2675, 49.4716 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 30.9824, 49.2675, 49.4716 by changing the saturation by 10% instead.


 30.9824, 49.2675,
49.4716


 30.9824, 49.2675,
49.4716


298.2856,
383.7945, 401.2717


 20.7372, 34.8317,
34.6255


 60.5884, 89.0886,
90.7797


 13.0434, 23.5333,
23.0933


 80.6799, 115.2428,
118.0788


 7.5357, 14.9878,
14.4565


 104.7842,
146.0718, 150.3659

 3.8486, 8.8108,
8.2965

 133.2667,
181.9601, 188.0597

 1.6168, 4.6180,
4.1947

 166.4928,
223.2922, 231.5786

 0.4033, 2.0249,
1.7328

204.8277,

 0.0000, 0.6219,

270.4523, 281.3412

0.3830

248.6368,
323.8250, 337.7661

■ 0.0000, 0.0000,
0.0000

■ 30.9824, 49.2675,
49.4716

■ 30.9824, 49.2675,
49.4716

■ 30.9828, 49.2690,
49.4700

■ 31.6264, 49.5622,
51.2413

■ 32.6138, 50.0318,
53.0677

■ 34.0588, 50.7364,
54.9577

■ 36.0233, 51.7079,
56.9144

■ 38.5593, 52.9730,
58.9405

■ 41.7126, 54.5554,
61.0385

■ 45.5243, 56.4763,
63.2105

■ 50.0317, 58.7548,
65.4585

■ 55.2695, 61.4090,
67.7845

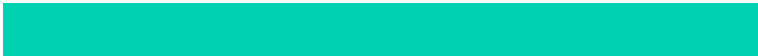
Harmonies

Analogous

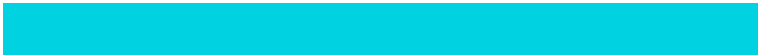
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4514, 49.2675, 29.1638



30.9824, 49.2675, 49.4716



32.2699, 49.2675, 78.9998

Triad

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



30.9824, 49.2675, 49.4716



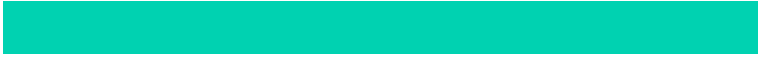
55.0002, 49.2675, 115.6381



57.9362, 49.2675, 21.2858

Complementary

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



30.9824, 49.2675, 49.4716



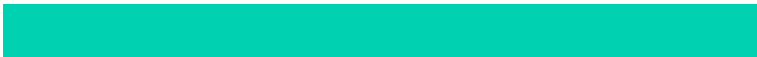
26.8546, 13.8128, 2.6922

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.



65.2123, 49.2675, 34.3927



30.9824, 49.2675, 49.4716



63.3640, 49.2675, 89.0024

Square

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



30.9824, 49.2675, 49.4716



45.3468, 49.2675, 123.8176



67.3205, 49.2675, 58.0445



48.3396, 49.2675, 16.7515

Rectangle

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



30.9824, 49.2675, 49.4716



35.1903, 49.2675, 99.6328



67.3205, 49.2675, 58.0445



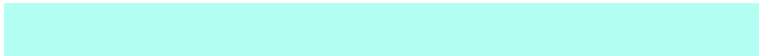
60.7826, 49.2675, 24.5654

Sweetspot

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



30.9838, 49.2694, 49.4728



70.4091, 87.5139, 97.9561



23.7417, 46.4527, 7.7159



14.5066, 18.4472, 20.6564



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.



30.9838, 49.2694, 49.4728



48.0156, 76.4222, 76.4569



21.0137, 23.4136, 64.3866



12.0752, 13.3738, 14.7524



18.9291, 30.0646, 30.3367



1.0804, 1.6898, 1.8121

Inverse Universe

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



26.8546, 13.8128, 2.6922



41.6244, 21.4137, 3.9540



28.7711, 18.0855, 1.9754



11.8834, 11.8381, 12.6619



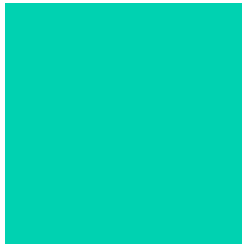
16.4039, 8.4344, 1.7674



0.9416, 0.4814, 0.2274

Previews

White Background



This preview shows how the XYZ color 30.9824, 49.2675, 49.4716 looks on a white background.

Color Contrast Check

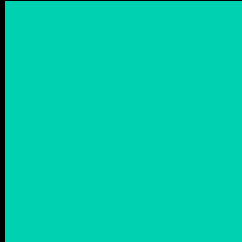
Large Text (above 18pt) WCAG AA × Fail

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 30.9824, 49.2675, 49.4716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

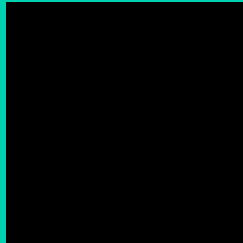
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

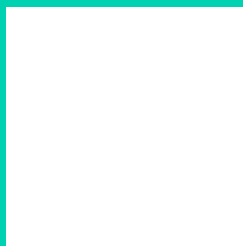
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9824, 49.2675, 49.4716

Background



This preview shows how black text looks on a background with the XYZ color 30.9824, 49.2675, 49.4716.

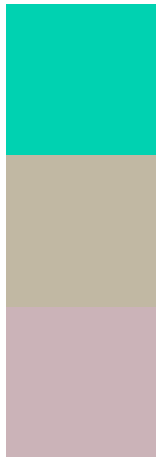


This preview shows how white text looks on a background with the XYZ color 30.9824, 49.2675,

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

30.9824, 49.2675, 49.4716

Protanopia

45.7437, 48.2628, 41.5550

Deuteranopia

49.4004, 48.3974, 52.0853



Tritanopia

36.3148, 49.2828, 75.3087

Trichromacy



Original Color

30.9824, 49.2675, 49.4716



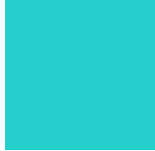
Protanomaly

34.3062, 45.1780, 43.9579



Deuteranomaly

35.8072, 44.8302, 50.4819



Tritanomaly

33.7697, 48.9143, 64.7883

Monochromacy



Original Color

30.9824, 49.2675, 49.4716



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.0495, 32.2281, 35.9635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9824, 49.2675, 49.4716 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, 210, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 177)  
}
```

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, 210, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 177) }
```

Border

The CSS property to change the border of an element to XYZ 30.9824, 49.2675, 49.4716 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, 210, 177) }
```


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

```
.border{ border-color:rgb(0, 210, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 210, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9824, 49.2675, 49.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 177) }
```

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

```
.background{ background-color: rgb(0, 210,  
177) }
```

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