

Converting Colors

XYZ(28.9714, 48.0685, 40.0981)

Have a look what the booklet for
XYZ(28.9714, 48.0685, 40.0981)
contains.

XYZ(28.9720, 48.0696, 40.0991)	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(28.9720, 48.0696,
40.0991)**

Conversions

Conversions Part 1

Format	Color
Hex	00D19E
RGB	0, 209, 158
RGB Percent	0%, 82%, 62%
CMY	0.9999, 0.1804, 0.3804
CMYK	1.00, 0.00, 0.24, 0.18
HSL	165°, 100%, 41%
HSV	165°, 100%, 82%
XYZ	28.9720, 48.0696, 40.0991
YIQ	140.6950, -108.1930, -60.1690

Conversions

Conversions Part 2

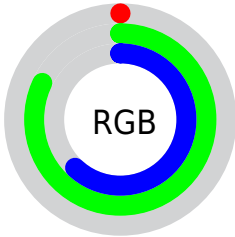
Format	Color
RYB	0, 119, 209
Decimal	53662
CIELab	74.87, -55.18, 13.31
CIELCh	75, 56.760, 166.436
Yxy	48.0696, 0.2473, 0.4104
Android (android.graphics.Color)	4278243742 (0xFF00D19E)
YUV	140.6950, 8.5314, -123.3895
Hunter-Lab	69.3322, -46.7413, 14.2415

Details

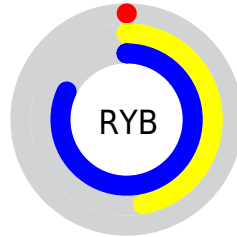
The XYZ color **28.9720, 48.0696, 40.0991** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.8938, 13.7955, 4.3800**, and the grayscale version is **25.1992, 26.5115, 28.8711**.

A 20% lighter version of the original color is **53.4792, 79.2672, 75.4322**, and **14.0451, 23.8440, 17.7720** is the 20% darker color. If you saturate the color by 10%, you get **28.9726, 48.0712, 40.0978**, and if you desaturate by 10%, it is **29.7290, 48.4093, 42.4755**.

Distribution



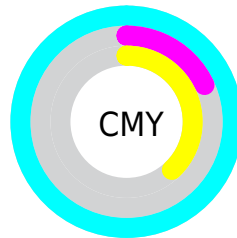
- Red (0%)
- Green (82%)
- Blue (62%)



- Red (0%)
- Yellow (47%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (18%)



- Cyan (100%)
- Magenta (18%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9720, 48.0696, 40.0991 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 28.9720, 48.0696, 40.0991 by changing the saturation by 10% instead.

■ 28.9720, 48.0696,
40.0991

■ 28.9720, 48.0696,
40.0991

289.0794,
379.0679, 362.1056

■ 19.2038, 33.8820,
27.3014

■ 57.4305, 87.3080,
76.5531

■ 11.9225, 22.8030,
17.5653

■ 76.8515, 113.1276,
101.0466

■ 6.7628, 14.4481,
10.4722

■ 100.2208,
143.5934, 130.2757

■ 3.3592, 8.4330,
5.6034

■ 127.9037,
179.0897, 164.6591

■ 1.3464, 4.3732,
2.5406

■ 160.2657,
220.0009, 204.6152

■ 0.2176, 1.8845,
0.8616

197.6721,

■ 0.0000, 0.5390,

266.7114, 250.5627

0.0000

240.4882,
319.6056, 302.9199

■ 0.0000, 0.0000,
0.0000

■ 28.9720, 48.0696,
40.0991

■ 28.9720, 48.0696,
40.0991

■ 28.9726, 48.0712,
40.0978

■ 29.7290, 48.4093,
42.4755

■ 30.8358, 48.9259,
44.9635

■ 32.4058, 49.6792,
47.5706

■ 34.5004, 50.7008,
50.3007

■ 37.1712, 52.0171,
53.1572

■ 40.4634, 53.6516,
56.1433

■ 44.4178, 55.6253,
59.2621

■ 49.0716, 57.9572,
62.5162

■ 54.4592, 60.6651,
65.9082

Harmonies

Analogous

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



32.7543, 48.0696, 22.1090



28.9720, 48.0696, 40.0991



29.1625, 48.0696, 70.1412

Triad

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



28.9720, 48.0696, 40.0991



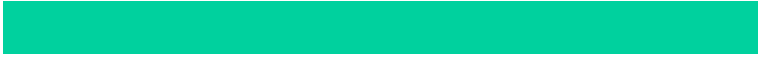
51.5423, 48.0696, 128.0577



60.7905, 48.0696, 20.9936

Complementary

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



28.9720, 48.0696, 40.0991



26.8938, 13.7955, 4.3800

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.



67.5110, 48.0696, 37.8377



28.9720, 48.0696, 40.0991



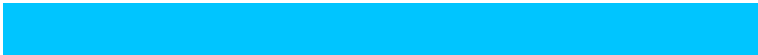
61.6458, 48.0696, 102.1475

Square

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



28.9720, 48.0696, 40.0991



41.1866, 48.0696, 129.4019



67.8458, 48.0696, 66.8475



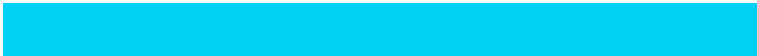
50.5075, 48.0696, 14.2292

Rectangle

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



28.9720, 48.0696, 40.0991



31.4990, 48.0696, 93.9169



67.8458, 48.0696, 66.8475



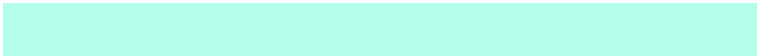
63.6047, 48.0696, 25.3019

Sweetspot

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



28.9733, 48.0715, 40.1002



69.4234, 87.1196, 92.7655



24.2314, 46.3399, 7.6680



14.2689, 18.3521, 19.4043



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.



28.9733, 48.0715, 40.1002



45.3597, 75.3599, 62.4714



23.5254, 28.6359, 64.6112



12.0299, 13.3557, 14.5138



17.9036, 29.6544, 24.9364



1.0313, 1.6702, 1.5535

Inverse Universe

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



26.8938, 13.7955, 4.3800



42.1159, 21.6104, 6.5424



27.5356, 16.0358, 1.6446



11.9254, 11.8549, 12.8827



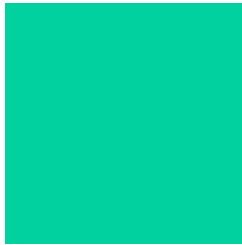
16.6139, 8.5184, 2.8731



0.9610, 0.4891, 0.3297

Previews

White Background



This preview shows how the XYZ color 28.9720, 48.0696, 40.0991 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 28.9720, 48.0696, 40.0991 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

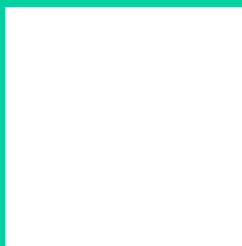
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9720, 48.0696, 40.0991

Background



This preview shows how black text looks on a background with the XYZ color 28.9720, 48.0696, 40.0991.

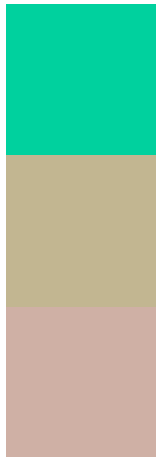


This preview shows how white text looks on a background with the XYZ color 28.9720, 48.0696,

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

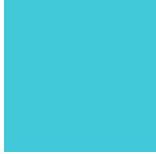
28.9720, 48.0696, 40.0991

Protanopia

44.0869, 46.9696, 33.5305

Deuteranopia

48.0490, 47.0327, 42.1431



Tritanopia

35.6578, 47.9413, 73.0199

Trichromacy



Original Color

28.9720, 48.0696, 40.0991



Protanomaly

32.5230, 44.1122, 35.6545



Deuteranomaly

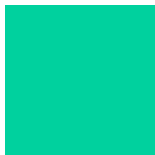
34.0205, 43.4806, 40.7819



Tritanomaly

32.5115, 47.6635, 59.7110

Monochromacy



Original Color

28.9720, 48.0696, 40.0991



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.1191, 31.5527, 32.4755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9720, 48.0696, 40.0991 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, 209, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 158)  
}
```

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, 209, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 158) }
```

Border

The CSS property to change the border of an element to XYZ 28.9720, 48.0696, 40.0991 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, 209, 158) }
```


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

```
.border{ border-color:rgb(0, 209, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9720, 48.0696, 40.0991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 158) }
```

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

```
.background{ background-color: rgb(0, 209,  
158) }
```

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