

Converting Colors

XYZ(29.4091, 49.0040, 39.6147)

Have a look what the booklet for
XYZ(29.4091, 49.0040, 39.6147)
contains.

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Color

**XYZ(29.4677, 49.0680,
39.8163)**

Conversions

Conversions Part 1

Format	Color
Hex	07D39D
RGB	7, 211, 157
RGB Percent	3%, 83%, 62%
CMY	0.9724, 0.1725, 0.3843
CMYK	0.97, 0.00, 0.26, 0.17
HSL	164°, 94%, 43%
HSV	164°, 97%, 83%
XYZ	29.4677, 49.0680, 39.8163
YIQ	143.8480, -104.2500, -60.0420

Conversions

Conversions Part 2

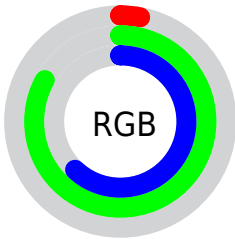
Format	Color
RYB	7, 125, 211
Decimal	512925
CIELab	75.49, -55.96, 14.73
CIELCh	75, 57.868, 165.256
Yxy	49.0680, 0.2490, 0.4146
Android (android.graphics.Color)	4278703005 (0xFF07D39D)
YUV	143.8480, 6.4839, -120.0157
Hunter-Lab	70.0486, -47.4944, 15.3330

Details

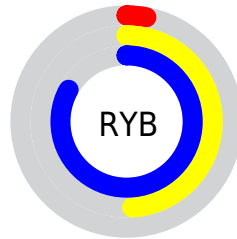
The XYZ color **29.4677, 49.0680, 39.8163** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **27.7843, 14.3392, 5.7222**, and the grayscale version is **26.4567, 27.8345, 30.3118**.

A 20% lighter version of the original color is **53.4694, 79.2767, 74.7712**, and **14.3229, 24.4833, 17.6065** is the 20% darker color. If you saturate the color by 10%, you get **29.2234, 48.9615, 38.9830**, and if you desaturate by 10%, it is **30.3515, 49.4685, 42.4059**.

Distribution



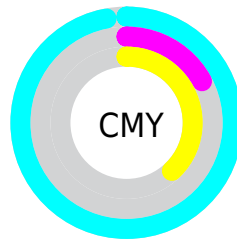
- Red (3%)
- Green (83%)
- Blue (62%)



- Red (3%)
- Yellow (49%)
- Blue (83%)



- Cyan (97%)
- Magenta (0%)
- Yellow (26%)
- Black (17%)



- Cyan (97%)
- Magenta (17%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4677, 49.0680, 39.8163 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 29.4677, 49.0680, 39.8163 by changing the saturation by 10% instead.


 29.4677, 49.0680,
39.8163


 29.4677, 49.0680,
39.8163


291.3699,
383.0100, 360.8777


 19.5810, 34.6734,
27.0826

 58.2118, 88.7924,
76.1177


 12.1973, 23.4114,
17.4023

 77.7998, 114.8911,
100.5226


 6.9514, 14.8976,
10.3568


 101.3524,
145.6599, 129.6549

 3.4778, 8.7475,
5.5275

 129.2348,
181.4832, 163.9333

 1.4112, 4.5769,
2.4958

 161.8124,
222.7455, 203.7762

 0.2642, 2.0012,
0.8380

199.4505,

 0.0000, 0.6082,

269.8311, 249.6022

0.0000

242.5146,
323.1245, 301.8299

■ 0.0000, 0.0000,
0.0000

■ 29.4677, 49.0680,
39.8163

■ 29.4677, 49.0680,
39.8163

■ 29.2234, 48.9615,
38.9830

■ 30.3515, 49.4685,
42.4059

■ 31.6569, 50.0825,
45.1294

■ 33.4613, 50.9512,
47.9931

■ 35.8236, 52.1049,
51.0010

■ 38.7945, 53.5697,
54.1571

■ 42.4187, 55.3685,
57.4647

■ 46.7366, 57.5223,
60.9270

■ 51.7853, 60.0501,
64.5472

■ 57.5992, 62.9697,
68.3281

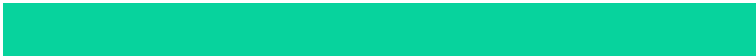
Harmonies

Analogous

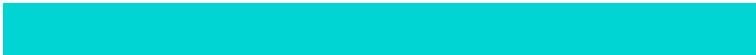
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.5229, 49.0680, 21.8053



29.4677, 49.0680, 39.8163



29.5026, 49.0680, 70.4392

Triad

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



29.4677, 49.0680, 39.8163



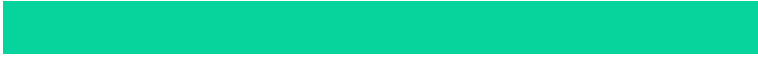
52.2510, 49.0680, 132.5950



62.6338, 49.0680, 21.6017

Complementary

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



29.4677, 49.0680, 39.8163



27.7843, 14.3392, 5.7222

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.



69.3805, 49.0680, 39.4010



29.4677, 49.0680, 39.8163



62.7917, 49.0680, 106.4242

Square

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



29.4677, 49.0680, 39.8163



41.6054, 49.0680, 132.8442



69.4423, 49.0680, 69.8312



52.0602, 49.0680, 14.3525

Rectangle

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



29.4677, 49.0680, 39.8163



31.8017, 49.0680, 95.0595



69.4423, 49.0680, 69.8312



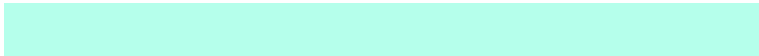
65.4911, 49.0680, 26.1670

Sweetspot

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



29.4690, 49.0699, 39.8174



69.8843, 87.3724, 92.0987



25.2841, 47.6111, 8.0590



14.3445, 18.3952, 19.2219



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.



29.4690, 49.0699, 39.8174



44.7823, 75.1289, 59.4305



25.0162, 31.0885, 66.3124



12.0192, 13.3514, 14.4574



17.6800, 29.5649, 23.7587



1.0204, 1.6658, 1.4959

Inverse Universe

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



27.7843, 14.3392, 5.7222



42.2685, 21.6714, 7.3459



28.2517, 16.5613, 1.9094



11.9354, 11.8589, 12.9357



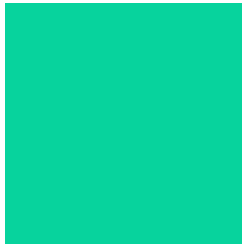
16.6776, 8.5439, 3.2082



0.9658, 0.4910, 0.3545

Previews

White Background



This preview shows how the XYZ color 29.4677, 49.0680, 39.8163 looks on a white background.

Color Contrast Check

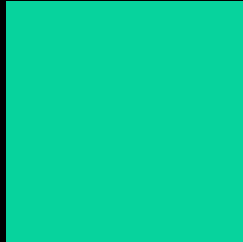
Large Text (above 18pt) WCAG AA × Fail

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 29.4677, 49.0680, 39.8163 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

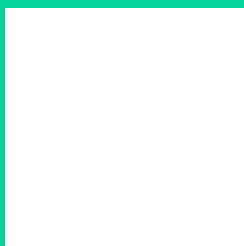
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4677, 49.0680, 39.8163

Background



This preview shows how black text looks on a background with the XYZ color 29.4677, 49.0680, 39.8163.

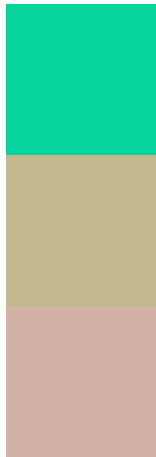


This preview shows how white text looks on a background with the XYZ color 29.4677, 49.0680,

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

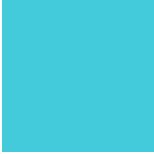
29.4677, 49.0680, 39.8163

Protanopia

44.9395, 48.0304, 33.2878

Deuteranopia

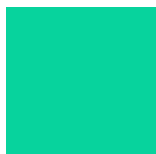
48.9157, 48.0764, 41.8235



Tritanopia

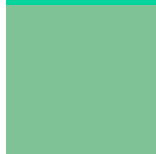
36.5260, 49.0553, 74.5613

Trichromacy



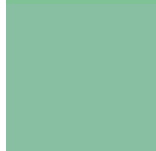
Original Color

29.4677, 49.0680, 39.8163



Protanomaly

33.4690, 45.2655, 35.4069



Deuteranomaly

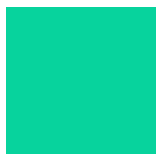
34.9998, 44.6344, 40.4888



Tritanomaly

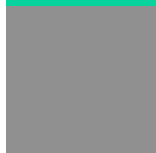
33.1618, 48.7090, 59.8785

Monochromacy



Original Color

29.4677, 49.0680, 39.8163



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.0435, 32.5549, 33.4503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4677, 49.0680, 39.8163 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(7, 211, 157)` looks like.

```
.text, #text, p{  
    color:rgb(7, 211, 157)  
}
```

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(7, 211, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 211, 157) }
```

Border

The CSS property to change the border of an element to XYZ 29.4677, 49.0680, 39.8163 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(7, 211, 157) }
```


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

```
.border{ border-color:rgb(7, 211, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 211, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 211, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 211, 157);  
box-shadow:4px 4px 4px 4px rgb(7, 211,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4677, 49.0680, 39.8163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 211, 157) }
```

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

```
.background{ background-color: rgb(7, 211,  
157) }
```

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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