

Converting Colors

XYZ(28.9587, 49.1132, 36.7952)

Have a look what the booklet for
XYZ(28.9587, 49.1132, 36.7952)
contains.

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Color

**XYZ(29.0485, 49.2890,
36.8369)**

Conversions

Conversions Part 1

Format	Color
Hex	00D496
RGB	0, 212, 150
RGB Percent	0%, 83%, 59%
CMY	0.9999, 0.1686, 0.4118
CMYK	1.00, 0.00, 0.29, 0.17
HSL	162°, 100%, 42%
HSV	162°, 100%, 83%
XYZ	29.0485, 49.2890, 36.8369
YIQ	141.5440, -106.4500, -64.2260

Conversions

Conversions Part 2

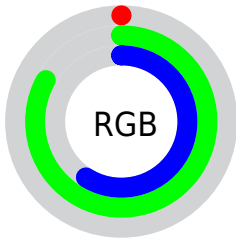
Format	Color
RYB	0, 124, 212
Decimal	54422
CIELab	75.63, -58.17, 18.62
CIElCh	76, 61.075, 162.245
Yxy	49.2890, 0.2522, 0.4280
Android (android.graphics.Color)	4278244502 (0xFF00D496)
YUV	141.5440, 4.1688, -124.1341
Hunter-Lab	70.2061, -49.0045, 18.0350

Details

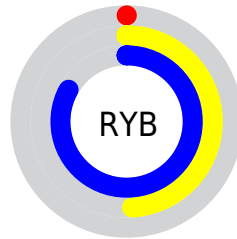
The XYZ color **29.0485, 49.2890, 36.8369** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.0227, 14.3461, 5.8528**, and the grayscale version is **25.5484, 26.8789, 29.2712**.

A 20% lighter version of the original color is **52.3680, 78.8227, 69.5810**, and **14.1406, 24.6778, 15.8224** is the 20% darker color. If you saturate the color by 10%, you get **29.0491, 49.2906, 36.8354**, and if you desaturate by 10%, it is **29.8763, 49.6578, 39.5529**.

Distribution



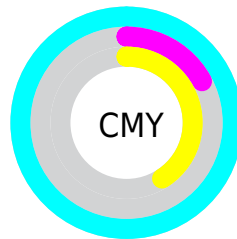
- Red (0%)
- Green (83%)
- Blue (59%)



- Red (0%)
- Yellow (49%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0485, 49.2890, 36.8369 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 29.0485, 49.2890, 36.8369 by changing the saturation by 10% instead.


 29.0485, 49.2890,
36.8369


 29.0485, 49.2890,
36.8369


289.4338,
383.8789, 347.7513


 19.2620, 34.8488,
24.7864


 57.5512, 89.1205,
71.5054


 11.9649, 23.5464,
15.7004


 76.9980, 115.2806,
94.9605


 6.7918, 14.9975,
9.1604


 100.3957,
146.1162, 123.0542

 3.3774, 8.8176,
4.7477

 128.1095,
182.0115, 156.2051

 1.3563, 4.6224,
2.0439

 160.5049,
223.3511, 194.8317

 0.2248, 2.0275,
0.5821

197.9472,

 0.0000, 0.6234,

270.5192, 239.3526

0.0000

240.8017,
323.9004, 290.1863

■ 0.0000, 0.0000,
0.0000

■ 29.0485, 49.2890,
36.8369

■ 29.0485, 49.2890,
36.8369

■ 29.0491, 49.2906,
36.8354

■ 29.8763, 49.6578,
39.5529

■ 31.0741, 50.2129,
42.4251

■ 32.7586, 51.0158,
45.4622

■ 34.9933, 52.0992,
48.6690

■ 37.8320, 53.4907,
52.0500

■ 41.3218, 55.2146,
55.6094

■ 45.5050, 57.2927,
59.3509

■ 50.4203, 59.7448,
63.2782

■ 56.1034, 62.5893,
67.3949

Harmonies

Analogous

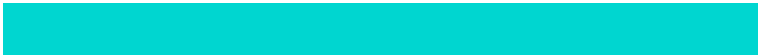
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.7030, 49.2890, 19.5198



29.0485, 49.2890, 36.8369



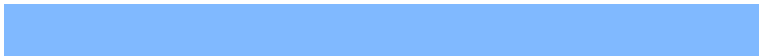
28.6571, 49.2890, 67.9805

Triad

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



29.0485, 49.2890, 36.8369



51.6100, 49.2890, 140.3655



64.8479, 49.2890, 21.7557

Complementary

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



29.0485, 49.2890, 36.8369



28.0227, 14.3461, 5.8528

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.



71.4573, 49.2890, 41.5190



29.0485, 49.2890, 36.8369



63.0305, 49.2890, 114.1866

Square

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



29.0485, 49.2890, 36.8369



40.5280, 49.2890, 137.4466



70.7432, 49.2890, 74.9728



53.7924, 49.2890, 13.5364

Rectangle

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



29.0485, 49.2890, 36.8369



30.7659, 49.2890, 94.1964



70.7432, 49.2890, 74.9728



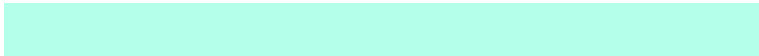
67.7375, 49.2890, 26.8375

Sweetspot

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



29.0498, 49.2909, 36.8381



68.8895, 86.9060, 89.9539



25.6339, 48.1659, 7.9465



14.1406, 18.3008, 18.7291



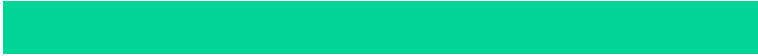
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.0498, 49.2909, 36.8381



44.0407, 74.8323, 55.5257



26.1855, 33.3561, 67.3479



12.6302, 14.0431, 15.1330



17.9784, 30.4467, 22.9796



1.1197, 1.8505, 1.5719

Inverse Universe

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



28.0227, 14.3461, 5.8528



42.4958, 21.7623, 8.5429



27.9954, 15.6833, 1.5523



12.5712, 12.4800, 13.6821



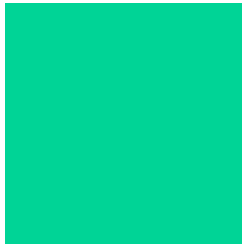
17.3370, 8.8711, 3.8129



1.0816, 0.5494, 0.4191

Previews

White Background



This preview shows how the XYZ color 29.0485, 49.2890, 36.8369 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 29.0485, 49.2890, 36.8369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

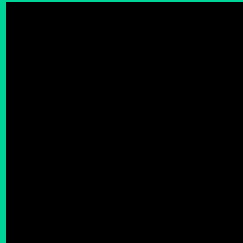
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.0485, 49.2890, 36.8369

Background



This preview shows how black text looks on a background with the XYZ color 29.0485, 49.2890, 36.8369.

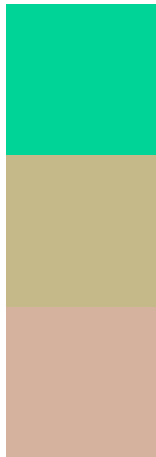


This preview shows how white text looks on a background with the XYZ color 29.0485, 49.2890,

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

29.0485, 49.2890, 36.8369

Protanopia

45.1530, 48.5098, 30.6504

Deuteranopia

49.2433, 48.3065, 39.0764



Tritanopia

36.8727, 49.2188, 75.2669

Trichromacy



Original Color

29.0485, 49.2890, 36.8369



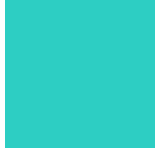
Protanomaly

33.0018, 45.4188, 32.6185



Deuteranomaly

34.3215, 44.3444, 37.7607



Tritanomaly

33.0038, 48.6406, 59.2789

Monochromacy



Original Color

29.0485, 49.2890, 36.8369



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.1460, 31.8554, 31.7169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0485, 49.2890, 36.8369 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, 212, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 150)  
}
```

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, 212, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.0485, 49.2890, 36.8369 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, 212, 150) }
```


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

```
.border{ border-color:rgb(0, 212, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0485, 49.2890, 36.8369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 150) }
```

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

```
.background{ background-color: rgb(0, 212,  
150) }
```

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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