

Converting Colors

XYZ(28.8970, 48.0788, 39.5830)

Have a look what the booklet for
XYZ(28.8970, 48.0788, 39.5830)
contains.

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Color

**XYZ(28.8863, 48.0352,
39.6476)**

Conversions

Conversions Part 1

Format	Color
Hex	00D19D
RGB	0, 209, 157
RGB Percent	0%, 82%, 62%
CMY	0.9999, 0.1804, 0.3843
CMYK	1.00, 0.00, 0.25, 0.18
HSL	165°, 100%, 41%
HSV	165°, 100%, 82%
XYZ	28.8863, 48.0352, 39.6476
YIQ	140.5810, -107.8720, -60.4800

Conversions

Conversions Part 2

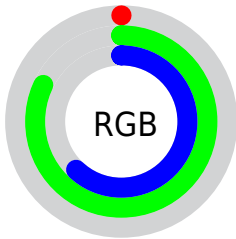
Format	Color
RYB	0, 119, 209
Decimal	53661
CIELab	74.85, -55.42, 13.82
CIELCh	75, 57.112, 166.001
Yxy	48.0352, 0.2478, 0.4121
Android (android.graphics.Color)	4278243741 (0xFF00D19D)
YUV	140.5810, 8.0946, -123.2895
Hunter-Lab	69.3074, -46.8919, 14.5981

Details

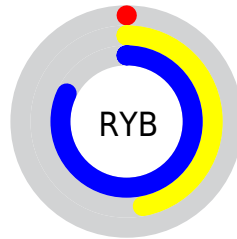
The XYZ color **28.8863, 48.0352, 39.6476** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.9163, 13.8047, 4.4985**, and the grayscale version is **25.1572, 26.4674, 28.8230**.

A 20% lighter version of the original color is **53.3526, 79.2165, 74.7657**, and **13.9928, 23.8231, 17.4965** is the 20% darker color. If you saturate the color by 10%, you get **28.8866, 48.0366, 39.6452**, and if you desaturate by 10%, it is **29.6487, 48.3770, 42.0521**.

Distribution



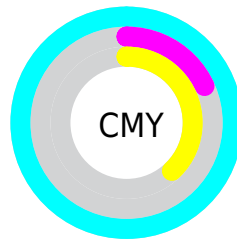
- Red (0%)
- Green (82%)
- Blue (62%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (18%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8863, 48.0352, 39.6476 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 28.8863, 48.0352, 39.6476 by changing the saturation by 10% instead.


 28.8863, 48.0352,
39.6476


 28.8863, 48.0352,
39.6476


288.6820,
378.9316, 360.1438

 19.1387, 33.8548,
26.9522


 57.2952, 87.2568,
75.8578


 11.8751, 22.7820,
17.3052


 76.6872, 113.0668,
100.2097


 6.7303, 14.4327,
10.2881


 100.0247,
143.5220, 129.2841

 3.3388, 8.4222,
5.4823

 127.6730,
179.0070, 163.4997

 1.3354, 4.3663,
2.4693

 159.9976,
219.9060, 203.2749

 0.2095, 1.8805,
0.8238

197.3637,

 0.0000, 0.5366,

266.6036, 249.0283

0.0000

240.1367,
319.4840, 301.1784

■ 0.0000, 0.0000,
0.0000

■ 28.8863, 48.0352,
39.6476

■ 28.8863, 48.0352,
39.6476

■ 28.8866, 48.0366,
39.6452

■ 29.6487, 48.3770,
42.0521

■ 30.7617, 48.8962,
44.5718

■ 32.3387, 49.6523,
47.2143

■ 34.4409, 50.6769,
49.9836

■ 37.1201, 51.9967,
52.8832

■ 40.4215, 53.6349,
55.9164

■ 44.3859, 55.6126,
59.0861

■ 49.0504, 57.9488,
62.3952

■ 54.4496, 60.6614,
65.8464

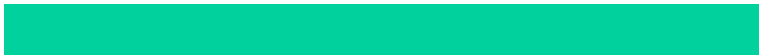
Harmonies

Analogous

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



32.7406, 48.0352, 21.7766



28.8863, 48.0352, 39.6476



29.0197, 48.0352, 69.7116

Triad

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



28.8863, 48.0352, 39.6476



51.3872, 48.0352, 128.8247



60.9860, 48.0352, 20.9976

Complementary

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



28.8863, 48.0352, 39.6476



26.9163, 13.8047, 4.4985

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.



67.6767, 48.0352, 38.0631



28.8863, 48.0352, 39.6476



61.5868, 48.0352, 102.9593

Square

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



28.8863, 48.0352, 39.6476



40.9922, 48.0352, 129.7711



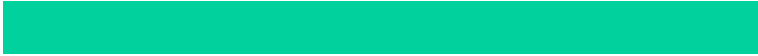
67.9119, 48.0352, 67.3980



50.6608, 48.0352, 14.1134

Rectangle

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



28.8863, 48.0352, 39.6476



31.3267, 48.0352, 93.6542



67.9119, 48.0352, 67.3980



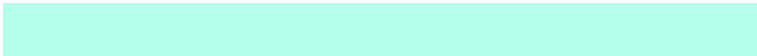
63.7991, 48.0352, 25.3655

Sweetspot

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



28.8876, 48.0371, 39.6487



69.3701, 87.0982, 92.4846



24.2317, 46.3399, 7.6682



14.2560, 18.3470, 19.3368



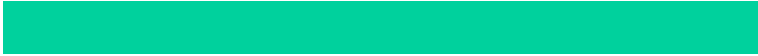
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.8876, 48.0371, 39.6487



45.2241, 75.3056, 61.7572



23.5258, 28.6367, 64.6111



12.0274, 13.3547, 14.5008



17.8511, 29.6334, 24.6599



1.0287, 1.6692, 1.5400

Inverse Universe

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



26.9163, 13.8047, 4.4985



42.1500, 21.6240, 6.7219



27.5358, 16.0364, 1.6449



11.9277, 11.8558, 12.8950



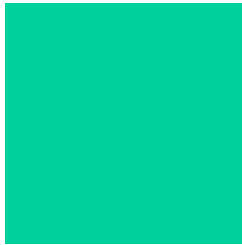
16.6282, 8.5241, 2.9482



0.9621, 0.4896, 0.3353

Previews

White Background



This preview shows how the XYZ color 28.8863, 48.0352, 39.6476 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 28.8863, 48.0352, 39.6476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

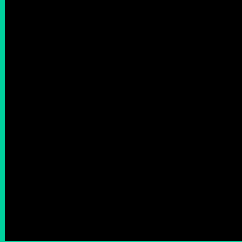
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

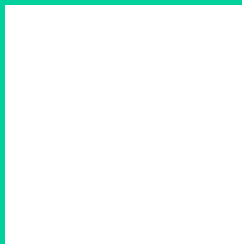
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8863, 48.0352, 39.6476

Background



This preview shows how black text looks on a background with the XYZ color 28.8863, 48.0352, 39.6476.

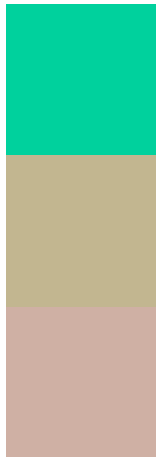


This preview shows how white text looks on a background with the XYZ color 28.8863, 48.0352,

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

28.8863, 48.0352, 39.6476

Protanopia

44.0101, 46.9388, 33.1261

Deuteranopia

47.9583, 46.9964, 41.6655



Tritanopia

35.7258, 47.9763, 73.0231

Trichromacy



Original Color

28.8863, 48.0352, 39.6476



Protanomaly

32.4428, 44.0802, 35.2322



Deuteranomaly

33.9320, 43.4452, 40.3156



Tritanomaly

32.4395, 47.6395, 59.1154

Monochromacy



Original Color

28.8863, 48.0352, 39.6476



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 28.8863, 48.0352, 39.6476 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 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(0, 209, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 157) }
```

Border

The CSS property to change the border of an element to XYZ 28.8863, 48.0352, 39.6476 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, 157) }
```


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

```
.border{ border-color:rgb(0, 209, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8863, 48.0352, 39.6476 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, 157) }
```

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

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