

Converting Colors

XYZ(28.0624, 48.7547, 32.0750)

Have a look what the booklet for
XYZ(28.0624, 48.7547, 32.0750)
contains.

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Color

**XYZ(28.1309, 48.9219,
32.0050)**

Conversions

Conversions Part 1

Format	Color
Hex	00D48A
RGB	0, 212, 138
RGB Percent	0%, 83%, 54%
CMY	0.9999, 0.1686, 0.4588
CMYK	1.00, 0.00, 0.35, 0.17
HSL	159°, 100%, 42%
HSV	159°, 100%, 83%
XYZ	28.1309, 48.9219, 32.0050
YIQ	140.1760, -102.5980, -67.9580

Conversions

Conversions Part 2

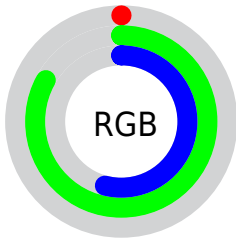
Format	Color
RYB	0, 128, 212
Decimal	54410
CIELab	75.40, -60.77, 24.61
CIELCh	75, 65.562, 157.951
Yxy	48.9219, 0.2579, 0.4486
Android (android.graphics.Color)	4278244490 (0xFF00D48A)
YUV	140.1760, -1.0728, -122.9344
Hunter-Lab	69.9442, -50.6113, 21.8311

Details

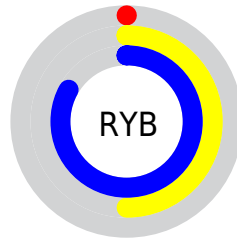
The XYZ color **28.1309, 48.9219, 32.0050** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.3893, 14.4926, 7.7831**, and the grayscale version is **25.0311, 26.3346, 28.6784**.

A 20% lighter version of the original color is **50.9833, 78.2688, 62.2895**, and **13.6088, 24.4651, 13.0218** is the 20% darker color. If you saturate the color by 10%, you get **28.1315, 48.9235, 32.0037**, and if you desaturate by 10%, it is **29.0002, 49.3073, 34.9401**.

Distribution



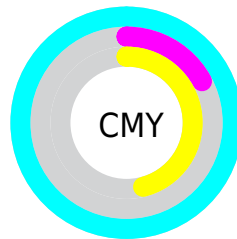
- Red (0%)
- Green (83%)
- Blue (54%)



- Red (0%)
- Yellow (50%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1309, 48.9219, 32.0050 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 28.1309, 48.9219, 32.0050 by changing the saturation by 10% instead.

 28.1309, 48.9219,
32.0050


 28.1309, 48.9219,
32.0050


285.1606,
382.4348, 325.6355


 18.5653, 34.5575,
21.1005


 56.1005, 88.5754,
63.9169


 11.4587, 23.3222,
13.0055


 75.2353, 114.6334,
85.7614

 6.4458, 14.8316,
7.3016


 98.2905, 145.3580,
112.0896

 3.1612, 8.7013,
3.5701

 125.6315,
181.1337, 143.3201

 1.2396, 4.5469,
1.3926

 157.6237,
222.3448, 179.8714

 0.1373, 1.9839,
0.1359

194.6324,

 0.0000, 0.5981,

269.3758, 222.1620

0.0000

237.0229,
322.6110, 270.6105

■ 0.0000, 0.0000,
0.0000

■ 28.1309, 48.9219,
32.0050

■ 28.1309, 48.9219,
32.0050

■ 28.1315, 48.9235,
32.0037

■ 29.0002, 49.3073,
34.9401

■ 30.2500, 49.8832,
38.0862

■ 31.9971, 50.7112,
41.4534

■ 34.3055, 51.8240,
45.0482

■ 37.2290, 53.2495,
48.8765

■ 40.8152, 55.0119,
52.9439

■ 45.1066, 57.1332,
57.2554

■ 50.1420, 59.6333,
61.8162

■ 55.9576, 62.5308,
66.6309

Harmonies

Analogous

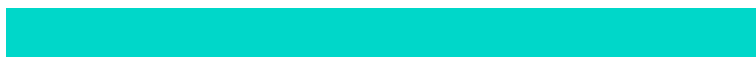
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.6339, 48.9219, 16.1610



28.1309, 48.9219, 32.0050



27.0892, 48.9219, 63.0031

Triad

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



28.1309, 48.9219, 32.0050



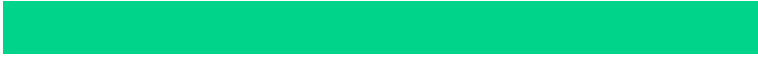
49.7843, 48.9219, 149.9659



67.3107, 48.9219, 21.9505

Complementary

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



28.1309, 48.9219, 32.0050



28.3893, 14.4926, 7.7831

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.



73.4866, 48.9219, 44.5906



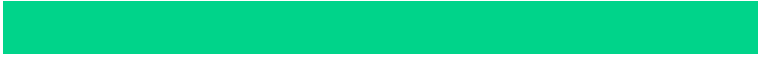
28.1309, 48.9219, 32.0050



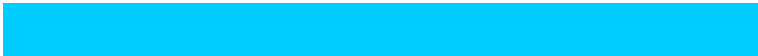
62.2857, 48.9219, 124.7697

Square

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



28.1309, 48.9219, 32.0050



38.3174, 48.9219, 141.7021



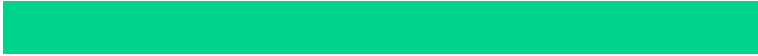
71.5039, 48.9219, 82.3258



55.7690, 48.9219, 12.3543

Rectangle

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



28.1309, 48.9219, 32.0050



28.8596, 48.9219, 90.9001



71.5039, 48.9219, 82.3258



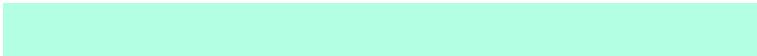
70.1666, 48.9219, 27.7878

Sweetspot

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



28.1322, 48.9238, 32.0061



68.2796, 86.6621, 86.7423



26.3849, 48.5530, 7.9816



13.9947, 18.2424, 17.9605



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.



28.1322, 48.9238, 32.0061



42.6414, 74.2725, 48.1568



28.2471, 37.4794, 68.0351



12.5995, 14.0308, 14.9714



17.4153, 30.2215, 20.0146



1.0889, 1.8382, 1.4097

Inverse Universe

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



28.3893, 14.4926, 7.7831



43.0439, 21.9816, 11.4292



27.6640, 15.0207, 1.4418



12.6005, 12.4917, 13.8363



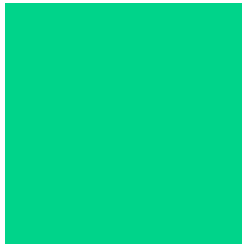
17.5681, 8.9636, 5.0296



1.0982, 0.5561, 0.5064

Previews

White Background



This preview shows how the XYZ color 28.1309, 48.9219, 32.0050 looks on a white background.

Color Contrast Check

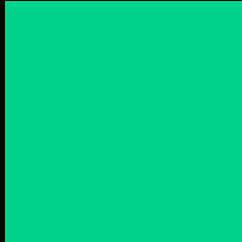
Large Text (above 18pt) WCAG AA × Fail

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 28.1309, 48.9219, 32.0050 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

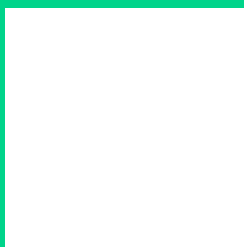
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1309, 48.9219, 32.0050

Background



This preview shows how black text looks on a background with the XYZ color 28.1309, 48.9219, 32.0050.

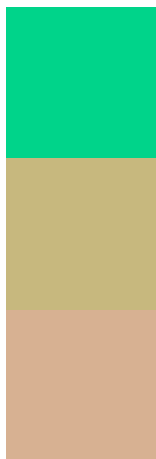


This preview shows how white text looks on a background with the XYZ color 28.1309, 48.9219,

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

28.1309, 48.9219, 32.0050

Protanopia

44.4596, 47.9295, 26.6467

Deuteranopia

48.9348, 47.9667, 33.8735



Tritanopia

36.7308, 48.8114, 74.5035

Trichromacy



Original Color

28.1309, 48.9219, 32.0050



Protanomaly

32.0734, 44.7073, 28.0580



Deuteranomaly

33.6879, 44.1284, 32.7287



Tritanomaly

32.5379, 48.4647, 56.3549

Monochromacy



Original Color

28.1309, 48.9219, 32.0050



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

22.4162, 31.2604, 29.2785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1309, 48.9219, 32.0050 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 138) }
```

Border

The CSS property to change the border of an element to XYZ 28.1309, 48.9219, 32.0050 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, 138) }
```


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

```
.border{ border-color:rgb(0, 212, 138) }
```

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, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1309, 48.9219, 32.0050 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, 138) }
```

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

```
.background{ background-color: rgb(0, 212,  
138) }
```

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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