

Converting Colors

XYZ(30.0508, 52.6808, 32.7605)

Have a look what the booklet for
XYZ(30.0508, 52.6808, 32.7605)
contains.

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Color

**XYZ(29.9440, 52.5109,
32.6022)**

Conversions

Conversions Part 1

Format	Color
Hex	02DB8A
RGB	2, 219, 138
RGB Percent	1%, 86%, 54%
CMY	0.9921, 0.1412, 0.4588
CMYK	0.99, 0.00, 0.37, 0.14
HSL	158°, 98%, 43%
HSV	158°, 99%, 86%
XYZ	29.9440, 52.5109, 32.6022
YIQ	144.8830, -103.3310, -71.1950

Conversions

Conversions Part 2

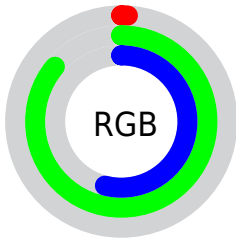
Format	Color
RYB	2, 135, 219
Decimal	187274
CIELab	77.59, -63.16, 27.55
CIELCh	78, 68.913, 156.433
Yxy	52.5109, 0.2603, 0.4564
Android (android.graphics.Color)	4278377354 (0xFF02DB8A)
YUV	144.8830, -3.3933, -125.3084
Hunter-Lab	72.4644, -53.0523, 24.0501

Details

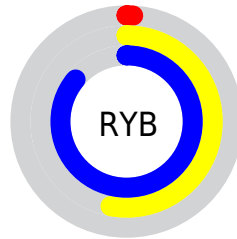
The XYZ color **29.9440, 52.5109, 32.6022** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **30.7986, 15.7293, 9.6007**, and the grayscale version is **26.9126, 28.3142, 30.8342**.

A 20% lighter version of the original color is **51.2183, 78.3899, 62.3005**, and **14.6406, 26.5288, 13.3658** is the 20% darker color. If you saturate the color by 10%, you get **29.8657, 52.4782, 32.3156**, and if you desaturate by 10%, it is **30.9094, 52.9390, 35.8559**.

Distribution



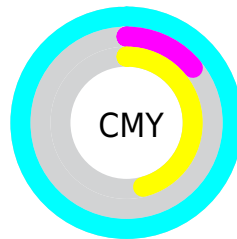
- Red (1%)
- Green (86%)
- Blue (54%)



- Red (1%)
- Yellow (53%)
- Blue (86%)



- Cyan (99%)
- Magenta (0%)
- Yellow (37%)
- Black (14%)





- Cyan (99%)
- Magenta (14%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9440, 52.5109, 32.6022 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 29.9440, 52.5109, 32.6022 by changing the saturation by 10% instead.


 29.9440, 52.5109,
32.6022


 29.9440, 52.5109,
32.6022


293.5578,
396.4058, 328.4303


 19.9439, 37.4125,
21.5533


 58.9608, 93.8843,
64.8628


 12.4623, 25.5270,
13.3338


 78.7083, 120.9280,
86.9115


 7.1338, 16.4701,
7.5254


 102.4357,
152.7223, 113.4640

 3.5930, 9.8574,
3.7094

 130.5083,
189.6515, 144.9386

 1.4746, 5.3045,
1.4673

 163.2914,
232.1001, 181.7540

 0.3084, 2.4270,
0.1934

201.1505,

 0.0000, 0.8397,

280.4524, 224.3288

0.0000

244.4509,
335.0928, 273.0813

■ 0.0000, 0.0000,
0.0000

■ 29.9440, 52.5109,
32.6022

■ 29.9440, 52.5109,
32.6022

■ 29.8657, 52.4782,
32.3156

■ 30.9094, 52.9390,
35.8559

■ 32.3133, 53.5865,
39.3666

■ 34.2657, 54.5113,
43.1452

■ 36.8347, 55.7487,
47.1998

■ 40.0784, 57.3282,
51.5373

■ 44.0477, 59.2761,
56.1648

■ 48.7885, 61.6160,
61.0885

■ 54.3428, 64.3694,
66.3147

■ 60.7494, 67.5563,
71.8492

Harmonies

Analogous

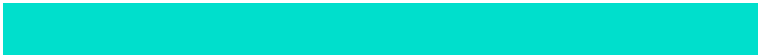
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.2082, 52.5109, 16.1689



29.9440, 52.5109, 32.6022



28.5627, 52.5109, 65.7817

Triad

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



29.9440, 52.5109, 32.6022



52.8310, 52.5109, 165.2364



73.4482, 52.5109, 23.7716

Complementary

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



29.9440, 52.5109, 32.6022



30.7986, 15.7293, 9.6007

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.



79.8874, 52.5109, 49.3546



29.9440, 52.5109, 32.6022



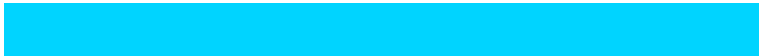
66.6943, 52.5109, 138.6872

Square

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



29.9440, 52.5109, 32.6022



40.3654, 52.5109, 154.0377



77.2186, 52.5109, 91.7520



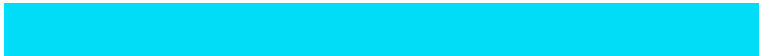
60.8518, 52.5109, 12.8844

Rectangle

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



29.9440, 52.5109, 32.6022



30.3302, 52.5109, 96.3780



77.2186, 52.5109, 91.7520



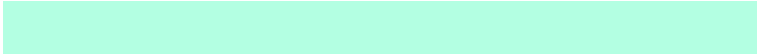
76.4978, 52.5109, 30.3723

Sweetspot

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



29.9454, 52.5130, 32.6034



68.0233, 86.5595, 85.3925



29.1078, 52.6099, 8.6786



13.9335, 18.2179, 17.6384



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.



29.9454, 52.5130, 32.6034



42.0883, 74.0513, 45.2443



32.0345, 43.5729, 73.7423



13.2280, 14.7428, 15.6636



17.7629, 31.1378, 19.4487



1.1920, 2.0337, 1.4770

Inverse Universe

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



30.7986, 15.7293, 9.6007



43.3143, 22.0897, 12.8533



29.6252, 15.8644, 1.5587



13.2561, 13.1315, 14.6097



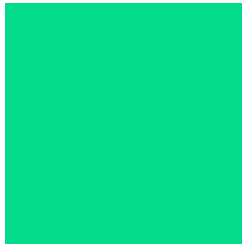
18.2685, 9.3085, 5.7941



1.2244, 0.6194, 0.5909

Previews

White Background



This preview shows how the XYZ color 29.9440, 52.5109, 32.6022 looks on a white background.

Color Contrast Check

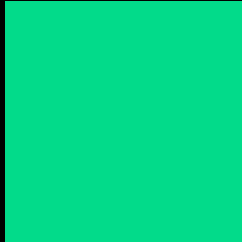
Large Text (above 18pt) WCAG AA × Fail

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 29.9440, 52.5109, 32.6022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

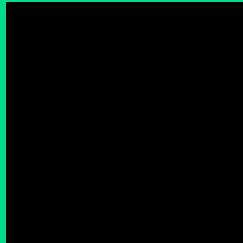
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9440, 52.5109, 32.6022

Background



This preview shows how black text looks on a background with the XYZ color 29.9440, 52.5109, 32.6022.

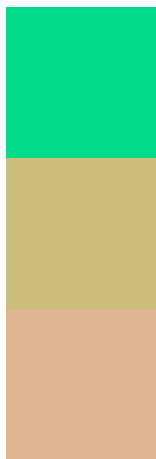


This preview shows how white text looks on a background with the XYZ color 29.9440, 52.5109,

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

29.9440, 52.5109, 32.6022

Protanopia

47.6329, 51.4551, 27.1600

Deuteranopia

52.3477, 51.2192, 34.3214



Tritanopia

39.2884, 52.1677, 79.2328

Trichromacy



Original Color

29.9440, 52.5109, 32.6022



Protanomaly

34.4316, 48.2905, 28.6254



Deuteranomaly

35.8007, 46.8530, 33.1432



Tritanomaly

34.4845, 51.6153, 58.5973

Monochromacy



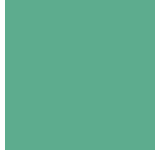
Original Color

29.9440, 52.5109, 32.6022



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.1492, 33.7852, 30.8396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9440, 52.5109, 32.6022 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(2, 219, 138)` looks like.

```
.text, #text, p{  
    color:rgb(2, 219, 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(2, 219, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 219, 138) }
```

Border

The CSS property to change the border of an element to XYZ 29.9440, 52.5109, 32.6022 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(2, 219, 138) }
```


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

```
.border{ border-color:rgb(2, 219, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 219, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 219, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 219, 138);  
box-shadow:4px 4px 4px 4px rgb(2, 219,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9440, 52.5109, 32.6022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 219, 138) }
```

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

```
.background{ background-color: rgb(2, 219,  
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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