

Converting Colors

XYZ(21.4300, 46.1829, 38.5890)

Have a look what the booklet for
XYZ(21.4300, 46.1829, 38.5890)
contains.

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Color

**XYZ(29.9630, 50.4597,
39.1708)**

Conversions

Conversions Part 1

Format	Color
Hex	00D69B
RGB	0, 214, 155
RGB Percent	0%, 84%, 61%
CMY	0.9999, 0.1608, 0.3921
CMYK	1.00, 0.00, 0.28, 0.16
HSL	163°, 100%, 42%
HSV	163°, 100%, 84%
XYZ	29.9630, 50.4597, 39.1708
YIQ	143.2880, -108.6050, -63.7170

Conversions

Conversions Part 2

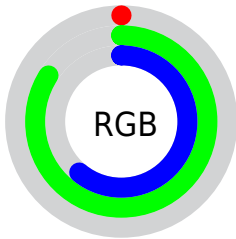
Format	Color
RYB	0, 124, 214
Decimal	54939
CIELab	76.35, -57.77, 16.98
CIELCh	76, 60.215, 163.619
Yxy	50.4597, 0.2505, 0.4219
Android (android.graphics.Color)	4278245019 (0xFF00D69B)
YUV	143.2880, 5.7740, -125.6636
Hunter-Lab	71.0350, -49.0188, 17.0302

Details

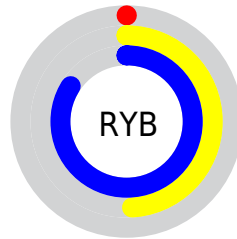
The XYZ color **29.9630, 50.4597, 39.1708** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.5231, 14.6134, 5.4592**, and the grayscale version is **26.2364, 27.6027, 30.0593**.

A 20% lighter version of the original color is **53.2186, 79.1764, 73.4504**, and **14.7256, 25.4532, 17.2335** is the 20% darker color. If you saturate the color by 10%, you get **29.9633, 50.4612, 39.1684**, and if you desaturate by 10%, it is **30.7903, 50.8288, 41.8614**.

Distribution



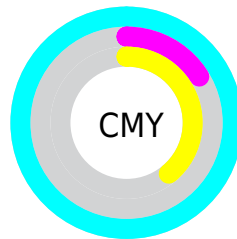
- Red (0%)
- Green (84%)
- Blue (61%)



- Red (0%)
- Yellow (49%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9630, 50.4597, 39.1708 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 29.9630, 50.4597, 39.1708 by changing the saturation by 10% instead.


 29.9630, 50.4597,
39.1708


 29.9630, 50.4597,
39.1708


293.6449,
388.4609, 358.0637


 19.9584, 35.7788,
26.5838


 58.9907, 90.8556,
75.1224


 12.4729, 24.2634,
17.0312

 78.7445, 117.3394,
99.3240


 7.1411, 15.5291,
10.0945


 102.4788,
148.5263, 128.2343

 3.5976, 9.1916,
5.3553

 130.5590,
184.8007, 162.2717

 1.4771, 4.8664,
2.3948

 163.3503,
226.5469, 201.8548

 0.3102, 2.1691,
0.7836

201.2181,

 0.0000, 0.7030,

274.1495, 247.4022

0.0000

244.5279,
327.9927, 299.3323

■ 0.0000, 0.0000,
0.0000

■ 29.9630, 50.4597,
39.1708

■ 29.9630, 50.4597,
39.1708

■ 29.9633, 50.4612,
39.1684

■ 30.7903, 50.8288,
41.8614

■ 31.9935, 51.3876,
44.6968

■ 33.6911, 52.1983,
47.6851

■ 35.9481, 53.2946,
50.8313

■ 38.8195, 54.7046,
54.1394

■ 42.3534, 56.4531,
57.6134

■ 46.5931, 58.5625,
61.2569

■ 51.5781, 61.0531,
65.0733

■ 57.3449, 63.9436,
69.0658

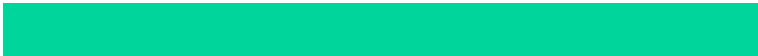
Harmonies

Analogous

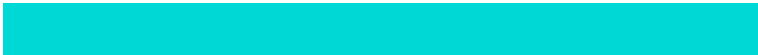
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.4582, 50.4597, 21.0434



29.9630, 50.4597, 39.1708



29.7650, 50.4597, 70.9647

Triad

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



29.9630, 50.4597, 39.1708



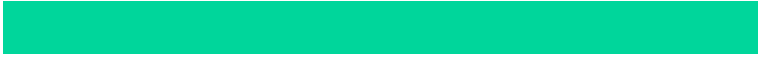
53.2699, 50.4597, 140.5158



65.5055, 50.4597, 22.1840

Complementary

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



29.9630, 50.4597, 39.1708



28.5231, 14.6134, 5.4592

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.



72.3755, 50.4597, 41.5332



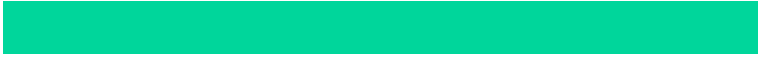
29.9630, 50.4597, 39.1708



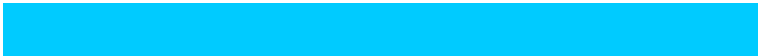
64.5964, 50.4597, 113.5494

Square

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



29.9630, 50.4597, 39.1708



42.0803, 50.4597, 139.0663



72.0188, 50.4597, 74.4632



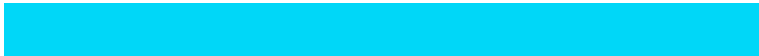
54.3643, 50.4597, 14.2131

Rectangle

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



29.9630, 50.4597, 39.1708



32.0232, 50.4597, 97.1839



72.0188, 50.4597, 74.4632



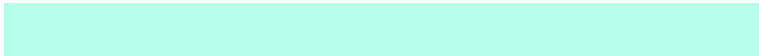
68.4638, 50.4597, 27.1523

Sweetspot

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



29.9644, 50.4617, 39.1720



69.0728, 86.9793, 90.9191



25.9509, 49.0761, 8.1057



14.1846, 18.3184, 18.9607



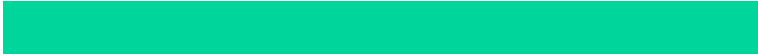
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.9644, 50.4617, 39.1720



44.4838, 75.0095, 57.8591



26.0751, 32.7288, 68.5636



12.6393, 14.0467, 15.1810



18.1562, 30.5178, 23.9162



1.1292, 1.8543, 1.6223

Inverse Universe

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



28.5231, 14.6134, 5.4592



42.3554, 21.7062, 7.8038



28.7250, 16.2813, 1.6295



12.5626, 12.4765, 13.6367



17.2772, 8.8472, 3.4981



1.0771, 0.5476, 0.3953

Previews

White Background



This preview shows how the XYZ color 29.9630, 50.4597, 39.1708 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 29.9630, 50.4597, 39.1708 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

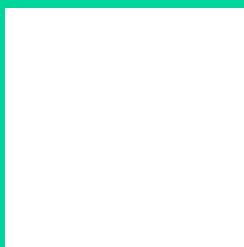
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9630, 50.4597, 39.1708

Background



This preview shows how black text looks on a background with the XYZ color 29.9630, 50.4597, 39.1708.

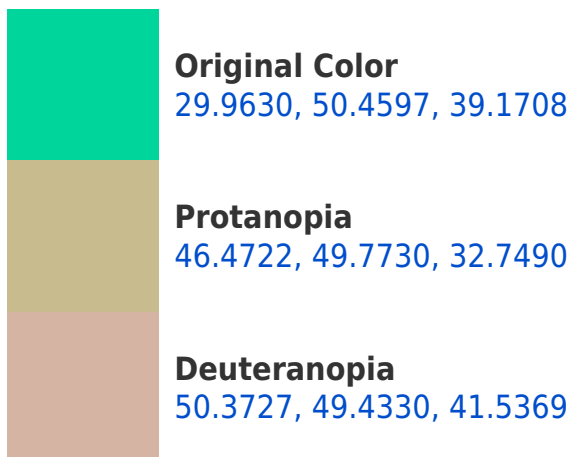


This preview shows how white text looks on a background with the XYZ color 29.9630, 50.4597,

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

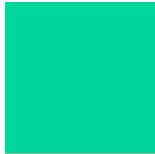




Tritanopia

37.5419, 50.2387, 76.8256

Trichromacy



Original Color

29.9630, 50.4597, 39.1708



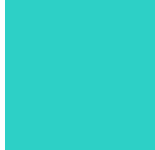
Protanomaly

33.9851, 46.5511, 34.7978



Deuteranomaly

35.3481, 45.4716, 40.1716



Tritanomaly

33.8311, 49.7469, 61.2451

Monochromacy



Original Color

29.9630, 50.4597, 39.1708



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.7688, 32.7067, 32.6640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9630, 50.4597, 39.1708 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, 214, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 155)  
}
```

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, 214, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 155) }
```

Border

The CSS property to change the border of an element to XYZ 29.9630, 50.4597, 39.1708 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, 214, 155) }
```


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

```
.border{ border-color:rgb(0, 214, 155) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9630, 50.4597, 39.1708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 155) }
```

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

```
.background{ background-color: rgb(0, 214,  
155) }
```

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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