

Converting Colors

XYZ(29.8967, 44.5994, 56.8069)

Have a look what the booklet for
XYZ(29.8967, 44.5994, 56.8069)
contains.

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Color

**XYZ(29.9379, 44.6526,
56.9101)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7C0
RGB	0, 199, 192
RGB Percent	0%, 78%, 75%
CMY	0.9998, 0.2196, 0.2471
CMYK	1.00, 0.00, 0.04, 0.22
HSL	178°, 100%, 39%
HSV	178°, 100%, 78%
XYZ	29.9379, 44.6526, 56.9101
YIQ	138.7010, -116.3570, -44.3650

Conversions

Conversions Part 2

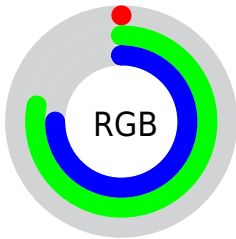
Format	Color
RYB	0, 101, 199
Decimal	51136
CIELab	72.66, -41.97, -8.24
CIELCh	73, 42.770, 191.105
Yxy	44.6526, 0.2277, 0.3396
Android (android.graphics.Color)	4278241216 (0xFF00C7C0)
YUV	138.7010, 26.2764, -121.6408
Hunter-Lab	66.8226, -36.9679, -3.7191

Details

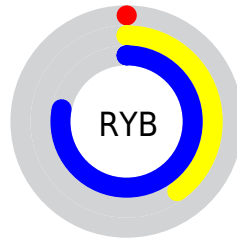
The XYZ color **29.9379, 44.6526, 56.9101** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **23.5930, 12.1589, 1.3058**, and the grayscale version is **24.3658, 25.6347, 27.9162**.

A 20% lighter version of the original color is **58.4122, 81.2404, 101.4093**, and **14.6335, 21.8106, 27.8647** is the 20% darker color. If you saturate the color by 10%, you get **29.9385, 44.6539, 56.9102**, and if you desaturate by 10%, it is **30.3039, 44.8333, 57.3343**.

Distribution



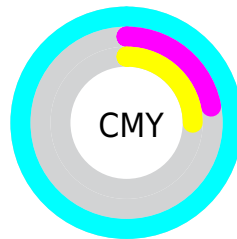
- Red (0%)
- Green (78%)
- Blue (75%)



- Red (0%)
- Yellow (40%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9379, 44.6526, 56.9101 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 29.9379, 44.6526, 56.9101 by changing the saturation by 10% instead.


 29.9379, 44.6526,
56.9101


 29.9379, 44.6526,
56.9101


293.5299,
365.3648, 430.5967


 19.9393, 31.1839,
40.5242


 58.9513, 82.1989,
101.8330


 12.4589, 20.7389,
27.6306

 78.6967, 107.0452,
131.2071


 7.1315, 12.9333,
17.8108


 102.4219,
136.4528, 165.7477

 3.5915, 7.3826,
10.6462

 130.4920,
170.8062, 205.8733

 1.4737, 3.7025,
5.7183

 163.2725,
210.4897, 252.0025

 0.3079, 1.5086,
2.6085

201.1288,

 0.0000, 0.2948,

255.8877, 304.5537

0.8969

244.4261,
307.3846, 363.9456

■ 0.0000, 0.0000,
0.0000

■ 29.9379, 44.6526,
56.9101

■ 29.9379, 44.6526,
56.9101

■ 29.9385, 44.6539,
56.9102

■ 30.3039, 44.8333,
57.3343

■ 30.9638, 45.1644,
57.7732

■ 32.0214, 45.7006,
58.2326

■ 33.5307, 46.4695,
58.7151

■ 35.5370, 47.4947,
59.2228

■ 38.0804, 48.7966,
59.7576

■ 41.1968, 50.3939,
60.3211

■ 44.9189, 52.3035,
60.9149

■ 49.2771, 54.5409,
61.5404

Harmonies

Analogous

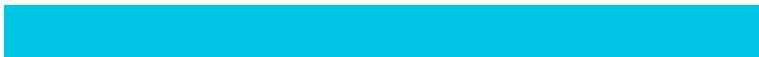
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.3367, 44.6526, 36.5649



29.9379, 44.6526, 56.9101



32.5841, 44.6526, 80.6857

Triad

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



29.9379, 44.6526, 56.9101



52.5151, 44.6526, 86.3068



47.2246, 44.6526, 19.3281

Complementary

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



29.9379, 44.6526, 56.9101



23.5930, 12.1589, 1.3058

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.



54.1087, 44.6526, 26.4224



29.9379, 44.6526, 56.9101



57.4001, 44.6526, 63.0680

Square

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



29.9379, 44.6526, 56.9101



45.2450, 44.6526, 100.6637



58.0150, 44.6526, 41.1752



39.7553, 44.6526, 18.5625

Rectangle

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



29.9379, 44.6526, 56.9101



35.9213, 44.6526, 93.8134



58.0150, 44.6526, 41.1752



49.7053, 44.6526, 20.9281

Sweetspot

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



29.9392, 44.6543, 56.9112



71.8546, 88.0920, 105.5678



20.5494, 40.9127, 6.8152



14.8576, 18.5876, 22.5044



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.



29.9392, 44.6543, 56.9112



52.3986, 78.1754, 99.5377



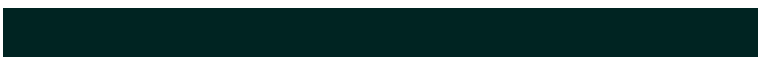
15.8289, 15.1623, 56.1269



10.9300, 12.0609, 13.5814



19.2576, 28.7154, 36.6308



0.9170, 1.3617, 1.7617

Inverse Universe

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



23.5930, 12.1589, 1.3058



41.2892, 21.2797, 2.1889



27.1747, 19.3837, 2.3105



10.6487, 10.6429, 11.1336



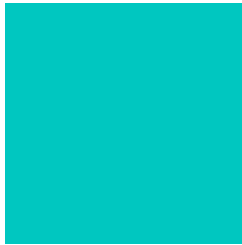
15.1767, 7.8202, 0.8745



0.7240, 0.3724, 0.0698

Previews

White Background



This preview shows how the XYZ color 29.9379, 44.6526, 56.9101 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 29.9379, 44.6526, 56.9101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

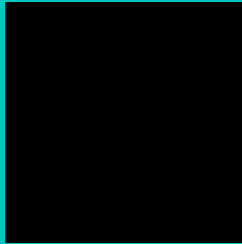
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

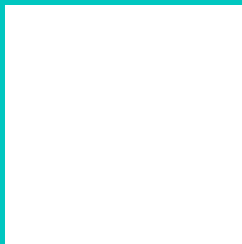
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9379, 44.6526, 56.9101

Background



This preview shows how black text looks on a background with the XYZ color 29.9379, 44.6526, 56.9101.

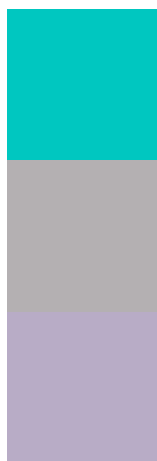


This preview shows how white text looks on a background with the XYZ color 29.9379, 44.6526,

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

29.9379, 44.6526, 56.9101

Protanopia

42.3836, 43.9683, 48.3724

Deuteranopia

44.7127, 43.7726, 59.5184



Tritanopia

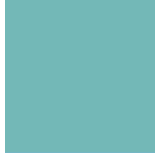
32.5784, 44.7256, 69.2032

Trichromacy



Original Color

29.9379, 44.6526, 56.9101



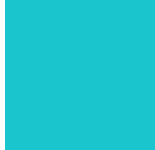
Protanomaly

32.7580, 41.3447, 51.0535



Deuteranomaly

34.0279, 41.2233, 58.3880



Tritanomaly

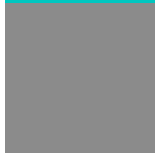
31.4377, 44.5733, 64.7042

Monochromacy



Original Color

29.9379, 44.6526, 56.9101



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.9409, 30.0331, 36.9356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9379, 44.6526, 56.9101 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, 199, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 192)  
}
```

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, 199, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 192) }
```

Border

The CSS property to change the border of an element to XYZ 29.9379, 44.6526, 56.9101 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, 199, 192) }
```


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

```
.border{ border-color:rgb(0, 199, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9379, 44.6526, 56.9101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 192) }
```

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

```
.background{ background-color: rgb(0, 199,  
192) }
```

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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