

Converting Colors

XYZ(24.6449, 40.1283, 56.7883)

Have a look what the booklet for
XYZ(24.6449, 40.1283, 56.7883)
contains.

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Color

**XYZ(28.9174, 42.4338,
57.1185)**

Conversions

Conversions Part 1

Format	Color
Hex	00C2C1
RGB	0, 194, 193
RGB Percent	0%, 76%, 76%
CMY	0.9998, 0.2392, 0.2431
CMYK	1.00, 0.00, 0.01, 0.24
HSL	180°, 100%, 38%
HSV	180°, 100%, 76%
XYZ	28.9174, 42.4338, 57.1185
YIQ	135.8800, -115.3030, -41.4390

Conversions

Conversions Part 2

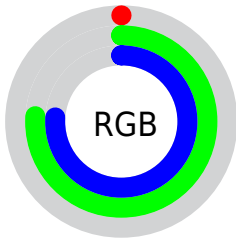
Format	Color
RYB	0, 97, 194
Decimal	49857
CIELab	71.17, -39.44, -11.01
CIELCh	71, 40.949, 195.596
Yxy	42.4338, 0.2251, 0.3303
Android (android.graphics.Color)	4278239937 (0xFF00C2C1)
YUV	135.8800, 28.1602, -119.1668
Hunter-Lab	65.1412, -34.7577, -6.3890

Details

The XYZ color **28.9174, 42.4338, 57.1185** 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 **22.2550, 11.4728, 1.0714**, and the grayscale version is **23.2907, 24.5036, 26.6844**.

A 20% lighter version of the original color is **57.1896, 78.7175, 101.8023**, and **14.1117, 20.6496, 28.0530** is the 20% darker color. If you saturate the color by 10%, you get **28.9182, 42.4351, 57.1194**, and if you desaturate by 10%, it is **29.2066, 42.5825, 57.1914**.

Distribution



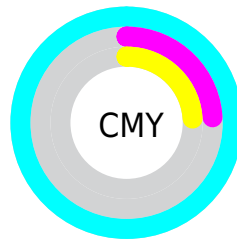
- Red (0%)
- Green (76%)
- Blue (76%)



- Red (0%)
- Yellow (38%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)



- Cyan (100%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9174, 42.4338, 57.1185 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 28.9174, 42.4338, 57.1185 by changing the saturation by 10% instead.

■ 28.9174, 42.4338,
57.1185

■ 28.9174, 42.4338,
57.1185

288.8263,
356.2781, 431.3994

■ 19.1623, 29.4411,
40.6904

■ 57.3443, 78.8557,
102.1401

■ 11.8923, 19.4148,
27.7594

■ 76.7468, 103.0538,
131.5707

■ 6.7421, 11.9704,
17.9069

■ 100.0958,
131.7558, 166.1726

■ 3.3462, 6.7235,
10.7144

■ 127.7568,
165.3460, 206.3642

■ 1.3394, 3.2898,
5.7634

■ 160.0949,
204.2090, 252.5642

■ 0.2124, 1.2848,
2.6353

197.4756,

■ 0.0000, 0.1294,

248.7291, 305.1910

0.9106

240.2643,
299.2906, 364.6632

■ 0.0000, 0.0000,
0.0000

■ 28.9174, 42.4338,
57.1185

■ 28.9174, 42.4338,
57.1185

■ 28.9182, 42.4351,
57.1194

■ 29.2066, 42.5825,
57.1914

■ 29.7712, 42.8723,
57.2762

■ 30.7107, 43.3553,
57.3786

■ 32.0755, 44.0576,
57.5009

■ 33.9083, 45.0012,
57.6452

■ 36.2467, 46.2053,
57.8132

■ 39.1243, 47.6875,
58.0065

■ 42.5719, 49.4635,
58.2264

■ 46.6181, 51.5481,
58.4745

Harmonies

Analogous

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



28.8606, 42.4338, 37.4309



28.9174, 42.4338, 57.1185



31.7908, 42.4338, 78.7768

Triad

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



28.9174, 42.4338, 57.1185



50.5056, 42.4338, 77.9867



43.7021, 42.4338, 18.4283

Complementary

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



28.9174, 42.4338, 57.1185



22.2550, 11.4728, 1.0714

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.



50.2806, 42.4338, 24.1335



28.9174, 42.4338, 57.1185



54.5000, 42.4338, 56.2490

Square

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



28.9174, 42.4338, 57.1185



43.9822, 42.4338, 92.9599



54.4133, 42.4338, 36.7754



36.8896, 42.4338, 18.5387

Rectangle

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



28.9174, 42.4338, 57.1185



35.1253, 42.4338, 89.8340



54.4133, 42.4338, 36.7754



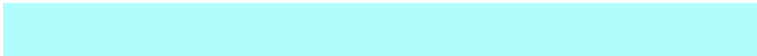
46.0295, 42.4338, 19.6390

Sweetspot

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



28.9187, 42.4354, 57.1195



70.5985, 86.2495, 105.0713



19.3336, 38.6060, 6.4339



14.9470, 18.6234, 22.9755



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.



28.9187, 42.4354, 57.1195



52.3876, 76.8781, 103.4658



14.3200, 13.0586, 52.8064



10.3663, 11.4276, 12.9320



19.0133, 27.8994, 37.5585



0.8222, 1.2057, 1.6267

Inverse Universe

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



22.2550, 11.4728, 1.0714



40.3152, 20.7824, 1.9240



26.2330, 19.4376, 2.3703



10.0753, 10.0787, 10.4870



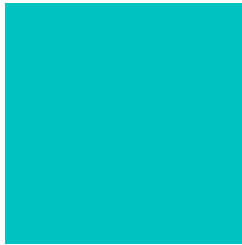
14.6320, 7.5426, 0.7085



0.6329, 0.3262, 0.0345

Previews

White Background



This preview shows how the XYZ color 28.9174, 42.4338, 57.1185 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 28.9174, 42.4338, 57.1185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

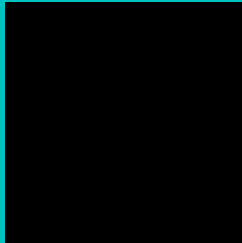
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

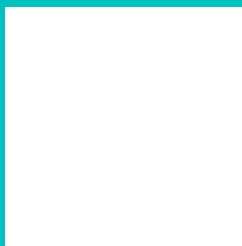
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9174, 42.4338, 57.1185

Background



This preview shows how black text looks on a background with the XYZ color 28.9174, 42.4338, 57.1185.



This preview shows how white text looks on a background with the XYZ color 28.9174, 42.4338,

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

28.9174, 42.4338, 57.1185

Protanopia

40.4463, 41.7990, 49.1163

Deuteranopia

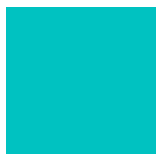
42.8569, 41.9644, 59.8740



Tritanopia

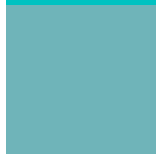
30.8397, 42.5793, 65.6247

Trichromacy



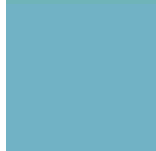
Original Color

28.9174, 42.4338, 57.1185



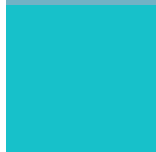
Protanomaly

31.6338, 39.5248, 51.8607



Deuteranomaly

32.8085, 39.3827, 58.6958



Tritanomaly

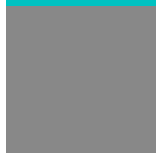
30.0840, 42.5864, 62.5115

Monochromacy



Original Color

28.9174, 42.4338, 57.1185



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

22.0733, 28.5745, 36.2503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9174, 42.4338, 57.1185 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, 194, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 193)  
}
```

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, 194, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 193) }
```

Border

The CSS property to change the border of an element to XYZ 28.9174, 42.4338, 57.1185 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, 194, 193) }
```


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

```
.border{ border-color:rgb(0, 194, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 194, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9174, 42.4338, 57.1185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 193) }
```

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

```
.background{ background-color: rgb(0, 194,  
193) }
```

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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