

Converting Colors

XYZ(14.1810, 22.3692, 28.7843)

Have a look what the booklet for
XYZ(14.1810, 22.3692, 28.7843)
contains.

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Color

**XYZ(15.3976, 23.1029,
28.8471)**

Conversions

Conversions Part 1

Format	Color
Hex	00948D
RGB	0, 148, 141
RGB Percent	0%, 58%, 55%
CMY	0.9999, 0.4196, 0.4471
CMYK	1.00, 0.00, 0.05, 0.42
HSL	177°, 100%, 29%
HSV	177°, 100%, 58%
XYZ	15.3976, 23.1029, 28.8471
YIQ	102.9500, -85.9610, -33.5530

Conversions

Conversions Part 2

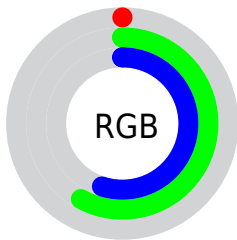
Format	Color
RYB	0, 76, 148
Decimal	38029
CIELab	55.18, -34.23, -5.73
CIELCh	55, 34.711, 189.505
Yxy	23.1029, 0.2286, 0.3430
Android (android.graphics.Color)	4278228109 (0xFF00948D)
YUV	102.9500, 18.7587, -90.2871
Hunter-Lab	48.0655, -26.9328, -1.9378

Details

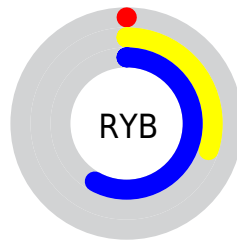
The XYZ color **15.3976, 23.1029, 28.8471** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.2518, 6.3119, 0.7741**, and the grayscale version is **12.8488, 13.5179, 14.7210**.

A 20% lighter version of the original color is **35.2308, 48.7267, 59.1781**, and **6.0712, 9.1211, 11.3381** is the 20% darker color. If you saturate the color by 10%, you get **15.3980, 23.1036, 28.8473**, and if you desaturate by 10%, it is **15.6444, 23.2246, 29.1320**.

Distribution



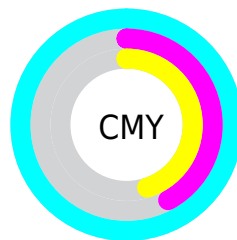
- Red (0%)
- Green (58%)
- Blue (55%)



- Red (0%)
- Yellow (30%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3976, 23.1029, 28.8471 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 15.3976, 23.1029, 28.8471 by changing the saturation by 10% instead.

■ 15.3976, 23.1029,
28.8471

■ 15.3976, 23.1029,
28.8471

■ 219.1013,
268.2531, 310.5312

■ 9.1870, 14.6695,
18.7206

■ 35.1152, 48.5622,
58.8734

■ 4.9215, 8.5878,
11.2938

■ 49.3528, 66.3570,
79.6102

■ 2.2355, 4.4733,
6.1482

■ 66.9970, 88.0409,
104.7209

■ 0.7614, 1.9417,
2.8651

■ 88.4129, 113.9985,
134.6240

■ 0.0000, 0.5733,
1.0262

■ 113.9659,
144.6141, 169.7380

■ 0.0000, 0.0000,
0.0000

■ 144.0214,

180.2722, 210.4815

178.9448,
221.3570, 257.2731

■ 15.3976, 23.1029,
28.8471

■ 15.3976, 23.1029,
28.8471

■ 15.3980, 23.1036,
28.8473

■ 15.6444, 23.2246,
29.1320

■ 16.0273, 23.4159,
29.4245

■ 16.6127, 23.7116,
29.7282

■ 17.4258, 24.1246,
30.0443

■ 18.4882, 24.6661,
30.3738

■ 19.8192, 25.3460,
30.7176

■ 21.4358, 26.1731,
31.0765

■ 23.3538, 27.1556,
31.4513

■ 25.5881, 28.3011,
31.8426

Harmonies

Analogous

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



15.6910, 23.1029, 18.3974



15.3976, 23.1029, 28.8471



16.6954, 23.1029, 41.3234

Triad

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



15.3976, 23.1029, 28.8471



27.0493, 23.1029, 45.4799



24.6729, 23.1029, 9.9906

Complementary

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



15.3976, 23.1029, 28.8471



12.2518, 6.3119, 0.7741

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.



28.2258, 23.1029, 13.8733



15.3976, 23.1029, 28.8471



29.7059, 23.1029, 33.3931

Square

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



15.3976, 23.1029, 28.8471



23.2125, 23.1029, 52.6259



30.1601, 23.1029, 21.7924



20.7507, 23.1029, 9.4298

Rectangle

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



15.3976, 23.1029, 28.8471



18.3895, 23.1029, 48.3943



30.1601, 23.1029, 21.7924



25.9621, 23.1029, 10.8811

Sweetspot

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



15.3983, 23.1038, 28.8477



37.6319, 46.0828, 54.7917



10.6832, 21.2284, 3.5349



8.3300, 10.3863, 12.4518



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.3983, 23.1038, 28.8477



27.1498, 40.7565, 50.8014



8.3186, 8.0841, 29.1399



5.9524, 6.5575, 7.3602



13.1548, 19.7347, 24.6545



0.1640, 0.2427, 0.3173

Inverse Universe

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



12.2518, 6.3119, 0.7741



21.5984, 11.1286, 1.2695



14.1973, 10.2643, 1.2334



5.8113, 5.8196, 6.1122



10.4674, 5.3920, 0.6761



0.1303, 0.0669, 0.0199

Previews

White Background



This preview shows how the XYZ color 15.3976, 23.1029, 28.8471 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3976, 23.1029, 28.8471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

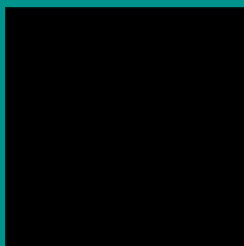
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.3976, 23.1029, 28.8471

Background



This preview shows how black text looks on a background with the XYZ color 15.3976, 23.1029, 28.8471.

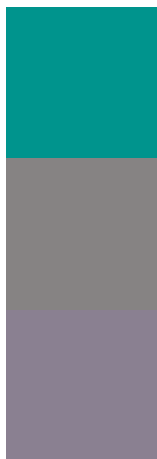


This preview shows how white text looks on a background with the XYZ color 15.3976, 23.1029,

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

15.3976, 23.1029, 28.8471

Protanopia

22.0445, 22.9396, 24.7386

Deuteranopia

23.3112, 22.8860, 29.9769



Tritanopia

16.9919, 23.3154, 35.5030

Trichromacy



Original Color

15.3976, 23.1029, 28.8471

Protanomaly

17.0651, 21.5719, 26.1860

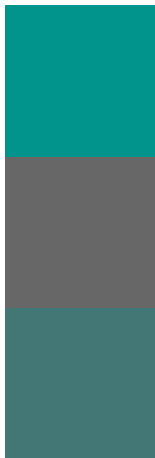
Deuteranomaly

17.7225, 21.4163, 29.5852

Tritanomaly

16.3289, 23.2612, 32.9074

Monochromacy



Original Color

15.3976, 23.1029, 28.8471

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.0545, 15.6363, 19.2124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3976, 23.1029, 28.8471 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, 148, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 141)  
}
```

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, 148, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 141) }
```

Border

The CSS property to change the border of an element to XYZ 15.3976, 23.1029, 28.8471 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, 148, 141) }
```


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

```
.border{ border-color:rgb(0, 148, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3976, 23.1029, 28.8471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 141) }
```

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

```
.background{ background-color: rgb(0, 148,  
141) }
```

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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