

Converting Colors

XYZ(10.7610, 19.4222, 29.8081)

Have a look what the booklet for
XYZ(10.7610, 19.4222, 29.8081)
contains.

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Color

**XYZ(14.7838, 21.3903,
30.1376)**

Conversions

Conversions Part 1

Format	Color
Hex	008E91
RGB	0, 142, 145
RGB Percent	0%, 56%, 57%
CMY	0.9999, 0.4431, 0.4314
CMYK	1.00, 0.02, 0.00, 0.43
HSL	181°, 100%, 28%
HSV	181°, 100%, 57%
XYZ	14.7838, 21.3903, 30.1376
YIQ	99.8840, -85.5950, -29.1710

Conversions

Conversions Part 2

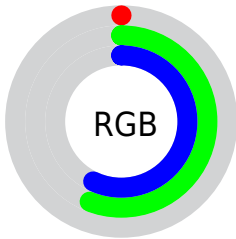
Format	Color
RYB	0, 72, 145
Decimal	36497
CIELab	53.37, -30.13, -10.73
CIELCh	53, 31.983, 199.603
Yxy	21.3903, 0.2229, 0.3226
Android (android.graphics.Color)	4278226577 (0xFF008E91)
YUV	99.8840, 22.2422, -87.5983
Hunter-Lab	46.2496, -23.8790, -6.2603

Details

The XYZ color **14.7838, 21.3903, 30.1376** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.7101, 6.0854, 0.5580**, and the grayscale version is **12.0461, 12.6734, 13.8013**.

A 20% lighter version of the original color is **34.0732, 45.6781, 61.0537**, and **5.8066, 8.3084, 12.1241** is the 20% darker color. If you saturate the color by 10%, you get **14.7841, 21.3908, 30.1381**, and if you desaturate by 10%, it is **15.0182, 21.5779, 30.1619**.

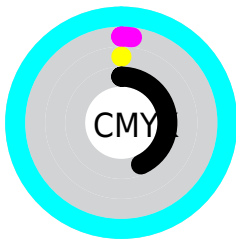
Distribution



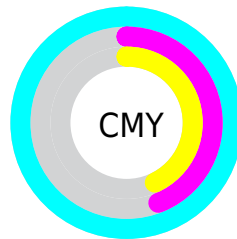
- Red (0%)
- Green (56%)
- Blue (57%)



- Red (0%)
- Yellow (28%)
- Blue (57%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (44%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7838, 21.3903, 30.1376 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 14.7838, 21.3903, 30.1376 by changing the saturation by 10% instead.

■ 14.7838, 21.3903,
30.1376

■ 14.7838, 21.3903,
30.1376

■ 215.4683,
259.3455, 316.7726

■ 8.7531, 13.4096,
19.6901

■ 34.0482, 45.7362,
60.9433

■ 4.6363, 7.7112,
11.9882

■ 48.0127, 62.8702,
82.1386

■ 2.0680, 3.9107,
6.6132

■ 65.3525, 83.8241,
107.7536

■ 0.6718, 1.6237,
3.1466

■ 86.4329, 108.9822,
138.2067

■ 0.0000, 0.3735,
1.1700

■ 111.6193,
138.7290, 173.9167

■ 0.0000, 0.0000,
0.0000

■ 141.2771,

173.4489, 215.3020

175.7717,
213.5263, 262.7811

■ 14.7838, 21.3903,
30.1376

■ 14.7838, 21.3903,
30.1376

■ 14.7841, 21.3908,
30.1381

■ 15.0182, 21.5779,
30.1619

■ 15.3810, 21.8315,
30.1917

■ 15.9368, 22.1847,
30.2306

■ 16.7098, 22.6501,
30.2796

■ 17.7203, 23.2381,
30.3399

■ 18.9865, 23.9581,
30.4121

■ 20.5249, 24.8185,
30.4971

■ 22.3503, 25.8271,
30.5956

■ 24.4768, 26.9911,
30.7082

Harmonies

Analogous

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



14.5658, 21.3903, 20.0788



14.7838, 21.3903, 30.1376



16.3893, 21.3903, 40.6129

Triad

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



14.7838, 21.3903, 30.1376



25.7146, 21.3903, 37.6179



21.5310, 21.3903, 9.3235

Complementary

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



14.7838, 21.3903, 30.1376



11.7101, 6.0854, 0.5580

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.



24.8585, 21.3903, 11.7628



14.7838, 21.3903, 30.1376



27.4459, 21.3903, 26.8274

Square

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



14.7838, 21.3903, 30.1376



22.5989, 21.3903, 45.6961



27.1163, 21.3903, 17.5678



18.2198, 21.3903, 9.7514

Rectangle

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



14.7838, 21.3903, 30.1376



18.1409, 21.3903, 45.5574



27.1163, 21.3903, 17.5678



22.6903, 21.3903, 9.8011

Sweetspot

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



14.7845, 21.3911, 30.1381



36.5653, 44.3394, 54.6047



10.1391, 20.2566, 3.4455



7.8943, 9.7300, 12.1342



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



14.7845, 21.3911, 30.1381



26.4592, 38.2740, 53.9666



7.3072, 6.4366, 27.6457



5.5508, 6.0974, 6.9131



12.6832, 18.3523, 25.8510



0.1232, 0.1794, 0.2478

Inverse Universe

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



16.5601, 7.9733, 26.2582



29.6474, 14.2747, 46.9792



14.1884, 11.0421, 1.3841



5.6215, 5.5091, 6.7709



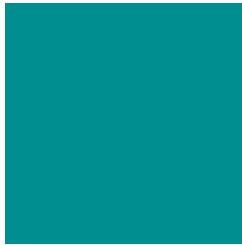
14.2050, 6.8390, 22.5285



0.1368, 0.0658, 0.2206

Previews

White Background



This preview shows how the XYZ color 14.7838, 21.3903, 30.1376 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 14.7838, 21.3903, 30.1376 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

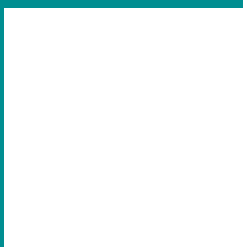
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7838, 21.3903, 30.1376

Background



This preview shows how black text looks on a background with the XYZ color 14.7838, 21.3903, 30.1376.

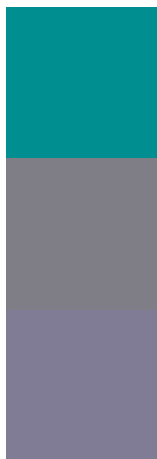


This preview shows how white text looks on a background with the XYZ color 14.7838, 21.3903,

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

14.7838, 21.3903, 30.1376

Protanopia

20.5864, 21.1830, 25.9254

Deuteranopia

21.6857, 21.2524, 31.3929



Tritanopia

15.5457, 21.4989, 33.0361

Trichromacy



Original Color

14.7838, 21.3903, 30.1376

Protanomaly

16.3048, 20.1159, 27.4495

Deuteranomaly

16.9413, 20.1646, 31.0162

Tritanomaly

15.1467, 21.3212, 31.7509

Monochromacy



Original Color

14.7838, 21.3903, 30.1376

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.3975, 14.6124, 18.7428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7838, 21.3903, 30.1376 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, 142, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 145)  
}
```

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, 142, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 145) }
```

Border

The CSS property to change the border of an element to XYZ 14.7838, 21.3903, 30.1376 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, 142, 145) }
```


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

```
.border{ border-color:rgb(0, 142, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7838, 21.3903, 30.1376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 145) }
```

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

```
.background{ background-color: rgb(0, 142,  
145) }
```

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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