

Converting Colors

XYZ(14.4852, 21.4620, 27.9759)

Have a look what the booklet for
XYZ(14.4852, 21.4620, 27.9759)
contains.

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Color

**XYZ(14.4827, 21.5090,
27.8144)**

Conversions

Conversions Part 1

Format	Color
Hex	008F8B
RGB	0, 143, 139
RGB Percent	0%, 56%, 55%
CMY	0.9999, 0.4392, 0.4549
CMYK	1.00, 0.00, 0.03, 0.44
HSL	178°, 100%, 28%
HSV	178°, 100%, 56%
XYZ	14.4827, 21.5090, 27.8144
YIQ	99.7870, -83.9440, -31.5600

Conversions

Conversions Part 2

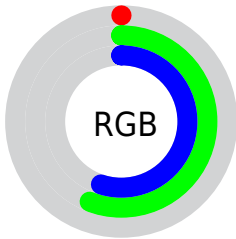
Format	Color
RYB	0, 73, 143
Decimal	36747
CIELab	53.50, -32.52, -7.07
CIELCh	54, 33.279, 192.266
Yxy	21.5090, 0.2270, 0.3371
Android (android.graphics.Color)	4278226827 (0xFF008F8B)
YUV	99.7870, 19.3320, -87.5132
Hunter-Lab	46.3778, -25.4198, -3.0938

Details

The XYZ color **14.4827, 21.5090, 27.8144** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.3504, 5.8492, 0.6464**, and the grayscale version is **12.0286, 12.6551, 13.7814**.

A 20% lighter version of the original color is **33.4112, 45.7645, 56.9417**, and **5.6303, 8.3756, 10.7711** is the 20% darker color. If you saturate the color by 10%, you get **14.4830, 21.5096, 27.8146**, and if you desaturate by 10%, it is **14.6985, 21.6173, 27.9779**.

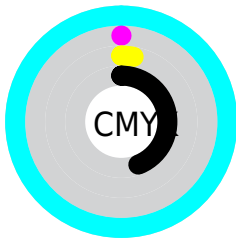
Distribution



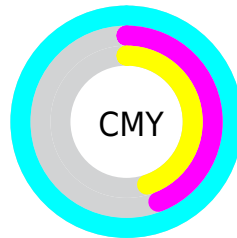
- Red (0%)
- Green (56%)
- Blue (55%)



- Red (0%)
- Yellow (29%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (44%)



- Cyan (100%)
- Magenta (44%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4827, 21.5090, 27.8144 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 14.4827, 21.5090, 27.8144 by changing the saturation by 10% instead.

■ 14.4827, 21.5090,
27.8144

■ 14.4827, 21.5090,
27.8144

■ 213.6644,
259.9713, 305.4630

■ 8.5411, 13.4966,
17.9480

■ 33.5222, 45.9331,
57.2075

■ 4.4978, 7.7714,
10.7436

■ 47.3509, 63.1136,
77.5713

■ 1.9874, 3.9490,
5.7827

■ 64.5393, 84.1189,
102.2713

■ 0.6269, 1.6451,
2.6468

■ 85.4527, 109.3334,
131.7260

■ 0.0000, 0.3877,
0.9164

■ 110.4566,
139.1415, 166.3539

■ 0.0000, 0.0000,
0.0000

■ 139.9163,

173.9276, 206.5737

174.1971,
214.0761, 252.8039

■ 14.4827, 21.5090,
27.8144

■ 14.4827, 21.5090,
27.8144

■ 14.4830, 21.5096,
27.8146

■ 14.6985, 21.6173,
27.9779

■ 15.0379, 21.7889,
28.1473

■ 15.5644, 22.0569,
28.3260

■ 16.3011, 22.4333,
28.5151

■ 17.2679, 22.9282,
28.7155

■ 18.4822, 23.5508,
28.9281

■ 19.9599, 24.3091,
29.1535

■ 21.7155, 25.2107,
29.3925

■ 23.7624, 26.2624,
29.6458

Harmonies

Analogous

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



14.6168, 21.5090, 17.9649



14.4827, 21.5090, 27.8144



15.8049, 21.5090, 39.1467

Triad

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



14.4827, 21.5090, 27.8144



25.3768, 21.5090, 41.0299



22.5899, 21.5090, 9.3174

Complementary

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



14.4827, 21.5090, 27.8144



11.3504, 5.8492, 0.6464

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.



25.9113, 21.5090, 12.5950



14.4827, 21.5090, 27.8144



27.6438, 21.5090, 29.8798

Square

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



14.4827, 21.5090, 27.8144



21.9255, 21.5090, 48.1284



27.8500, 21.5090, 19.5141



19.0301, 21.5090, 9.0593

Rectangle

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



14.4827, 21.5090, 27.8144



17.4342, 21.5090, 45.2831



27.8500, 21.5090, 19.5141



23.7809, 21.5090, 10.0467

Sweetspot

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



14.4833, 21.5098, 27.8149



35.5567, 43.4364, 52.1808



9.8829, 19.6765, 3.2778



7.9142, 9.8379, 11.9307



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.



14.4833, 21.5098, 27.8149



25.9249, 38.5148, 49.7519



7.5621, 7.1908, 26.9768



5.5538, 6.1138, 6.8823



12.8066, 19.0185, 24.5997



0.1238, 0.1824, 0.2422

Inverse Universe

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



11.3504, 5.8492, 0.6464



20.3147, 10.4693, 1.0997



13.3203, 9.8242, 1.1949



5.4146, 5.4264, 5.6814



10.0365, 5.1716, 0.5778



0.0969, 0.0498, 0.0107

Previews

White Background



This preview shows how the XYZ color 14.4827, 21.5090, 27.8144 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 14.4827, 21.5090, 27.8144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

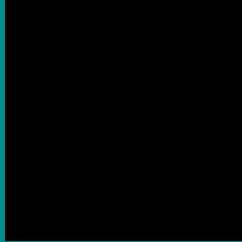
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.4827, 21.5090, 27.8144

Background



This preview shows how black text looks on a background with the XYZ color 14.4827, 21.5090, 27.8144.

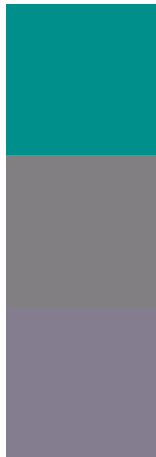


This preview shows how white text looks on a background with the XYZ color 14.4827, 21.5090,

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

14.4827, 21.5090, 27.8144

Protanopia

20.6051, 21.4308, 23.8194

Deuteranopia

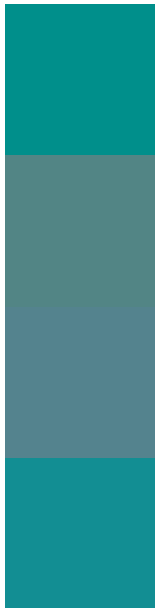
21.6813, 21.3040, 28.9560



Tritanopia

15.6991, 21.5780, 33.0433

Trichromacy



Original Color

14.4827, 21.5090, 27.8144

Protanomaly

16.1008, 20.2624, 25.2527

Deuteranomaly

16.6549, 20.0704, 28.5874

Tritanomaly

15.1889, 21.5812, 30.9688

Monochromacy



Original Color

14.4827, 21.5090, 27.8144

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.3970, 14.7957, 18.1748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4827, 21.5090, 27.8144 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, 143, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 139)  
}
```

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, 143, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 139) }
```

Border

The CSS property to change the border of an element to XYZ 14.4827, 21.5090, 27.8144 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, 143, 139) }
```


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

```
.border{ border-color:rgb(0, 143, 139) }
```

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

Here you see how a box with a 4 pixel rgb(0, 143, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4827, 21.5090, 27.8144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 139) }
```

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

```
.background{ background-color: rgb(0, 143,  
139) }
```

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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