

Converting Colors

XYZ(14.9630, 24.2112, 22.6059)

Have a look what the booklet for
XYZ(14.9630, 24.2112, 22.6059)
contains.

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Color

**XYZ(14.9664, 24.2125,
22.6236)**

Conversions

Conversions Part 1

Format	Color
Hex	00997B
RGB	0, 153, 123
RGB Percent	0%, 60%, 48%
CMY	0.9999, 0.4000, 0.5176
CMYK	1.00, 0.00, 0.20, 0.40
HSL	168°, 100%, 30%
HSV	168°, 100%, 60%
XYZ	14.9664, 24.2125, 22.6236
YIQ	103.8330, -81.5580, -41.7660

Conversions

Conversions Part 2

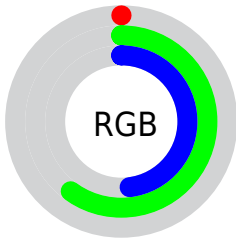
Format	Color
RYB	0, 85, 153
Decimal	39291
CIELab	56.30, -41.64, 6.20
CIELCh	56, 42.097, 171.535
Yxy	24.2125, 0.2422, 0.3918
Android (android.graphics.Color)	4278229371 (0xFF00997B)
YUV	103.8330, 9.4493, -91.0615
Hunter-Lab	49.2062, -31.8189, 7.1845

Details

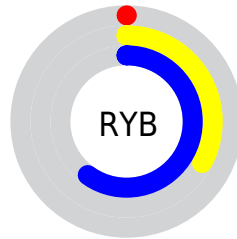
The XYZ color **14.9664, 24.2125, 22.6236** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.3721, 6.8667, 1.8502**, and the grayscale version is **13.1063, 13.7888, 15.0160**.

A 20% lighter version of the original color is **34.3182, 50.2816, 48.4540**, and **5.8897, 9.8018, 8.0601** is the 20% darker color. If you saturate the color by 10%, you get **14.9666, 24.2132, 22.6230**, and if you desaturate by 10%, it is **15.3598, 24.3939, 23.6382**.

Distribution



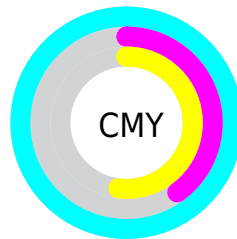
- Red (0%)
- Green (60%)
- Blue (48%)



- Red (0%)
- Yellow (33%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9664, 24.2125, 22.6236 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 14.9664, 24.2125, 22.6236 by changing the saturation by 10% instead.

■ 14.9664, 24.2125,
22.6236

■ 14.9664, 24.2125,
22.6236

216.5552,
273.8931, 278.8448

■ 8.8820, 15.4913,
14.1131

■ 34.3664, 50.3767,
48.6899

■ 4.7208, 9.1649,
8.0598

■ 48.4126, 68.5886,
67.0828

■ 2.1174, 4.8489,
4.0449

■ 65.8435, 90.7328,
89.6069

■ 0.6987, 2.1589,
1.6500

■ 87.0244, 117.1938,
116.6808

■ 0.0000, 0.6974,
0.3261

■ 112.3207,
148.3559, 148.7230

■ 0.0000, 0.0000,
0.0000

■ 142.0976,

184.6036, 186.1520

176.7207,
226.3211, 229.3864

■ 14.9664, 24.2125,
22.6236

■ 14.9664, 24.2125,
22.6236

■ 14.9666, 24.2132,
22.6230

■ 15.3598, 24.3939,
23.6382

■ 15.9079, 24.6537,
24.6899

■ 16.6797, 25.0282,
25.7826

■ 17.7030, 25.5316,
26.9179

■ 19.0012, 26.1761,
28.0972

■ 20.5952, 26.9724,
29.3216

■ 22.5037, 27.9302,
30.5923

■ 24.7440, 29.0582,
31.9104

■ 27.3320, 30.3648,
33.2769

Harmonies

Analogous

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



16.4562, 24.2125, 12.9948



14.9664, 24.2125, 22.6236



15.3826, 24.2125, 37.4327

Triad

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



14.9664, 24.2125, 22.6236



26.6090, 24.2125, 59.8298



29.3156, 24.2125, 10.4928

Complementary

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



14.9664, 24.2125, 22.6236



13.3721, 6.8667, 1.8502

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.



32.8240, 24.2125, 17.7245



14.9664, 24.2125, 22.6236



31.1150, 24.2125, 46.7120

Square

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



14.9664, 24.2125, 22.6236



21.6675, 24.2125, 62.5883



33.5251, 24.2125, 30.4939



24.4137, 24.2125, 7.7870

Rectangle

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



14.9664, 24.2125, 22.6236



16.7143, 24.2125, 48.3351



33.5251, 24.2125, 30.4939



30.7240, 24.2125, 12.3229

Sweetspot

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



14.9671, 24.2134, 22.6242



40.0772, 49.9060, 54.6457



11.9452, 23.0686, 3.8236



8.5467, 10.8676, 11.8710



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



14.9671, 24.2134, 22.6242



26.7364, 43.3352, 40.1649



11.0190, 12.8378, 32.0352



6.3326, 7.0058, 7.6751



12.3810, 20.0159, 18.7589



0.1969, 0.3040, 0.3426

Inverse Universe

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



13.3721, 6.8667, 1.8502



23.8930, 12.2750, 3.0299



14.1110, 8.7198, 0.9399



6.2559, 6.2415, 6.7275



11.0611, 5.6787, 1.5808



0.1760, 0.0892, 0.0797

Previews

White Background



This preview shows how the XYZ color 14.9664, 24.2125, 22.6236 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 14.9664, 24.2125, 22.6236 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 14.9664, 24.2125, 22.6236

Background



This preview shows how black text looks on a background with the XYZ color 14.9664, 24.2125, 22.6236.

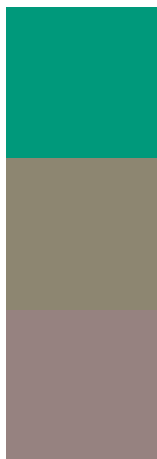


This preview shows how white text looks on a background with the XYZ color 14.9664, 24.2125,

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

14.9664, 24.2125, 22.6236

Protanopia

22.4902, 23.9052, 19.0516

Deuteranopia

24.4566, 24.0078, 23.7670



Tritanopia

18.0618, 24.2987, 36.9959

Trichromacy



Original Color

14.9664, 24.2125, 22.6236



Protanomaly

16.9522, 22.5078, 20.2806



Deuteranomaly

17.5737, 22.1162, 23.0813



Tritanomaly

16.6795, 24.1805, 31.3920

Monochromacy



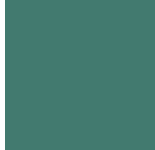
Original Color

14.9664, 24.2125, 22.6236



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

12.0755, 16.2250, 17.5342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9664, 24.2125, 22.6236 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, 153, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 123)  
}
```

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, 153, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 123) }
```

Border

The CSS property to change the border of an element to XYZ 14.9664, 24.2125, 22.6236 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, 153, 123) }
```


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

```
.border{ border-color:rgb(0, 153, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9664, 24.2125, 22.6236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 123) }
```

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

```
.background{ background-color: rgb(0, 153,  
123) }
```

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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