

Converting Colors

XYZ(15.0105, 24.2302, 22.8559)

Have a look what the booklet for
XYZ(15.0105, 24.2302, 22.8559)
contains.

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Color

**XYZ(15.0293, 24.2377,
22.9550)**

Conversions

Conversions Part 1

Format	Color
Hex	00997C
RGB	0, 153, 124
RGB Percent	0%, 60%, 49%
CMY	0.9999, 0.4000, 0.5137
CMYK	1.00, 0.00, 0.19, 0.40
HSL	169°, 100%, 30%
HSV	169°, 100%, 60%
XYZ	15.0293, 24.2377, 22.9550
YIQ	103.9470, -81.8790, -41.4550

Conversions

Conversions Part 2

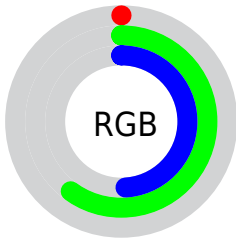
Format	Color
RYB	0, 85, 153
Decimal	39292
CIELab	56.33, -41.37, 5.66
CIELCh	56, 41.755, 172.203
Yxy	24.2377, 0.2415, 0.3895
Android (android.graphics.Color)	4278229372 (0xFF00997C)
YUV	103.9470, 9.8861, -91.1615
Hunter-Lab	49.2318, -31.6638, 6.8175

Details

The XYZ color **15.0293, 24.2377, 22.9550** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.3594, 6.8616, 1.7836**, and the grayscale version is **13.1353, 13.8194, 15.0493**.

A 20% lighter version of the original color is **34.4169, 50.3210, 48.9733**, and **5.9237, 9.8154, 8.2390** is the 20% darker color. If you saturate the color by 10%, you get **15.0297, 24.2385, 22.9547**, and if you desaturate by 10%, it is **15.4181, 24.4172, 23.9455**.

Distribution



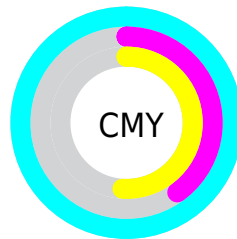
- Red (0%)
- Green (60%)
- Blue (49%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0293, 24.2377, 22.9550 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 15.0293, 24.2377, 22.9550 by changing the saturation by 10% instead.

■ 15.0293, 24.2377,
22.9550

■ 15.0293, 24.2377,
22.9550

216.9284,
274.0200, 280.6082

■ 8.9264, 15.5100,
14.3553

■ 34.4758, 50.4178,
49.2417

■ 4.7499, 9.1781,
8.2266

■ 48.5501, 68.6391,
67.7657

■ 2.1345, 4.8575,
4.1505

■ 66.0123, 90.7936,
90.4350

■ 0.7079, 2.1639,
1.7082

■ 87.2277, 117.2659,
117.6680

■ 0.0000, 0.7002,
0.3664

■ 112.5616,
148.4403, 149.8833

■ 0.0000, 0.0000,
0.0000

■ 142.3795,

184.7012, 187.4994

177.0466,
226.4329, 230.9348

■ 15.0293, 24.2377,
22.9550

■ 15.0293, 24.2377,
22.9550

■ 15.0297, 24.2385,
22.9547

■ 15.4181, 24.4172,
23.9455

■ 15.9611, 24.6750,
24.9710

■ 16.7276, 25.0474,
26.0356

■ 17.7451, 25.5485,
27.1409

■ 19.0371, 26.1905,
28.2881

■ 20.6246, 26.9842,
29.4784

■ 22.5262, 27.9391,
30.7130

■ 24.7591, 29.0642,
31.9929

■ 27.3393, 30.3677,
33.3190

Harmonies

Analogous

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



16.4696, 24.2377, 13.2495



15.0293, 24.2377, 22.9550



15.4857, 24.2377, 37.7296

Triad

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



15.0293, 24.2377, 22.9550



26.7152, 24.2377, 59.3310



29.1888, 24.2377, 10.4965

Complementary

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



15.0293, 24.2377, 22.9550



13.3594, 6.8616, 1.7836

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.



32.7142, 24.2377, 17.5870



15.0293, 24.2377, 22.9550



31.1531, 24.2377, 46.2005

Square

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



15.0293, 24.2377, 22.9550



21.8040, 24.2377, 62.3330



33.4791, 24.2377, 30.1532



24.3160, 24.2377, 7.8754

Rectangle

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



15.0293, 24.2377, 22.9550



16.8380, 24.2377, 48.5053



33.4791, 24.2377, 30.1532



30.5971, 24.2377, 12.2876

Sweetspot

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



15.0300, 24.2386, 22.9556



40.1191, 49.9228, 54.8664



11.9451, 23.0686, 3.8235



8.5570, 10.8718, 11.9254



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.



15.0300, 24.2386, 22.9556



26.8507, 43.3810, 40.7670



11.0189, 12.8375, 32.0352



6.3343, 7.0065, 7.6841



12.4328, 20.0366, 19.0316



0.1974, 0.3041, 0.3450

Inverse Universe

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



13.3594, 6.8616, 1.7836



23.8718, 12.2665, 2.9183



14.1109, 8.7195, 0.9397



6.2543, 6.2409, 6.7191



11.0505, 5.6744, 1.5248



0.1756, 0.0890, 0.0773

Previews

White Background



This preview shows how the XYZ color 15.0293, 24.2377, 22.9550 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 15.0293, 24.2377, 22.9550 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

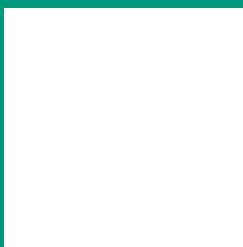
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.0293, 24.2377, 22.9550

Background



This preview shows how black text looks on a background with the XYZ color 15.0293, 24.2377, 22.9550.

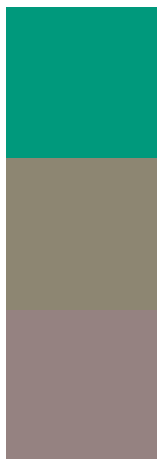


This preview shows how white text looks on a background with the XYZ color 15.0293, 24.2377,

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

15.0293, 24.2377, 22.9550

Protanopia

22.5469, 23.9278, 19.3498

Deuteranopia

24.3395, 23.9398, 24.1069



Tritanopia

18.0173, 24.2758, 36.9938

Trichromacy



Original Color

15.0293, 24.2377, 22.9550

Protanomaly

17.0113, 22.5314, 20.5919

Deuteranomaly

17.6386, 22.1422, 23.4229

Tritanomaly

16.6795, 24.1805, 31.3920

Monochromacy



Original Color

15.0293, 24.2377, 22.9550

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 15.0293, 24.2377, 22.9550 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 124) }
```

Border

The CSS property to change the border of an element to XYZ 15.0293, 24.2377, 22.9550 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, 124) }
```


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

```
.border{ border-color:rgb(0, 153, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0293, 24.2377, 22.9550 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, 124) }
```

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

```
.background{ background-color: rgb(0, 153,  
124) }
```

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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