

Converting Colors

XYZ(13.1432, 23.3966, 23.3031)

Have a look what the booklet for
XYZ(13.1432, 23.3966, 23.3031)
contains.

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Color

**XYZ(15.2573, 24.5919,
23.3446)**

Conversions

Conversions Part 1

Format	Color
Hex	009A7D
RGB	0, 154, 125
RGB Percent	0%, 60%, 49%
CMY	0.9999, 0.3961, 0.5098
CMYK	1.00, 0.00, 0.19, 0.40
HSL	169°, 100%, 30%
HSV	169°, 100%, 60%
XYZ	15.2573, 24.5919, 23.3446
YIQ	104.6480, -82.4750, -41.6670

Conversions

Conversions Part 2

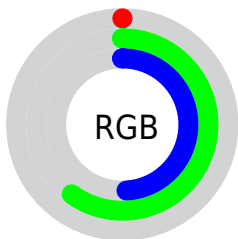
Format	Color
RYB	0, 85, 154
Decimal	39549
CIELab	56.68, -41.52, 5.60
CIELCh	57, 41.895, 172.319
Yxy	24.5919, 0.2414, 0.3892
Android (android.graphics.Color)	4278229629 (0xFF009A7D)
YUV	104.6480, 10.0335, -91.7763
Hunter-Lab	49.5902, -31.8642, 6.8024

Details

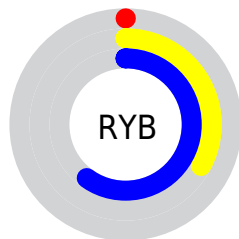
The XYZ color **15.2573, 24.5919, 23.3446** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.5491, 6.9594, 1.7928**, and the grayscale version is **13.3236, 14.0174, 15.2650**.

A 20% lighter version of the original color is **34.8608, 50.8900, 50.1049**, and **6.0559, 10.0245, 8.4532** is the 20% darker color. If you saturate the color by 10%, you get **15.2576, 24.5927, 23.3441**, and if you desaturate by 10%, it is **15.6497, 24.7731, 24.3450**.

Distribution



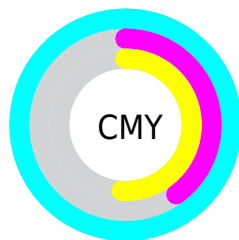
- Red (0%)
- Green (60%)
- Blue (49%)



- 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 15.2573, 24.5919, 23.3446 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 15.2573, 24.5919, 23.3446 by changing the saturation by 10% instead.

■ 15.2573, 24.5919,
23.3446

■ 15.2573, 24.5919,
23.3446

218.2760,
275.7994, 282.6691

■ 9.0877, 15.7733,
14.6405

■ 34.8719, 50.9944,
49.8889

■ 4.8560, 9.3639,
8.4236

■ 49.0476, 69.3470,
68.5661

■ 2.1969, 4.9793,
4.2756

■ 66.6226, 91.6465,
91.4048

■ 0.7411, 2.2351,
1.7777

■ 87.9624, 118.2771,
118.8235

■ 0.0000, 0.7390,
0.4132

■ 113.4322,
149.6233, 151.2408

■ 0.0000, 0.0000,
0.0000

■ 143.3976,

186.0695, 189.0751

178.2237,
228.0001, 232.7450

■ 15.2573, 24.5919,
23.3446

■ 15.2573, 24.5919,
23.3446

■ 15.2576, 24.5927,
23.3441

■ 15.6497, 24.7731,
24.3450

■ 16.1990, 25.0339,
25.3807

■ 16.9749, 25.4109,
26.4558

■ 18.0057, 25.9186,
27.5717

■ 19.3152, 26.5694,
28.7298

■ 20.9245, 27.3741,
29.9314

■ 22.8527, 28.3426,
31.1775

■ 25.1173, 29.4838,
32.4692

■ 27.7345, 30.8061,
33.8074

Harmonies

Analogous

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



16.7097, 24.5919, 13.4857



15.2573, 24.5919, 23.3446



15.7274, 24.5919, 38.3260

Triad

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



15.2573, 24.5919, 23.3446



27.1193, 24.5919, 60.0999



29.5878, 24.5919, 10.6487

Complementary

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



15.2573, 24.5919, 23.3446



13.5491, 6.9594, 1.7928

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.



33.1670, 24.5919, 17.8170



15.2573, 24.5919, 23.3446



31.6093, 24.5919, 46.7779

Square

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



15.2573, 24.5919, 23.3446



22.1427, 24.5919, 63.1874



33.9541, 24.5919, 30.5290



24.6499, 24.5919, 8.0047

Rectangle

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



15.2573, 24.5919, 23.3446



17.1027, 24.5919, 49.2348



33.9541, 24.5919, 30.5290



31.0164, 24.5919, 12.4589

Sweetspot

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



15.2580, 24.5928, 23.3452



41.2804, 51.3681, 56.4934



12.1156, 23.4005, 3.8787



9.0193, 11.4639, 12.5839



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.2580, 24.5928, 23.3452



27.6483, 44.6461, 42.0504



11.1754, 13.0177, 32.4966



6.3347, 7.0066, 7.6858



12.4426, 20.0405, 19.0830



0.1974, 0.3042, 0.3455

Inverse Universe

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



13.5491, 6.9594, 1.7928



24.5574, 12.6195, 2.9702



14.3123, 8.8410, 0.9526



6.2540, 6.2408, 6.7176



11.0485, 5.6736, 1.5145



0.1755, 0.0889, 0.0769

Previews

White Background



This preview shows how the XYZ color 15.2573, 24.5919, 23.3446 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 15.2573, 24.5919, 23.3446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

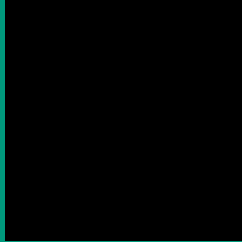
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.2573, 24.5919, 23.3446

Background



This preview shows how black text looks on a background with the XYZ color 15.2573, 24.5919, 23.3446.

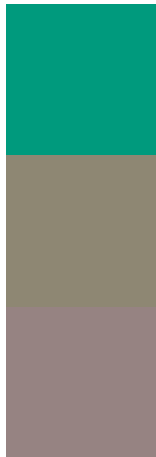


This preview shows how white text looks on a background with the XYZ color 15.2573, 24.5919,

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

15.2573, 24.5919, 23.3446

Protanopia

22.9138, 24.3165, 19.7055

Deuteranopia

24.7232, 24.3283, 24.5119



Tritanopia

18.3072, 24.6489, 37.5110

Trichromacy



Original Color

15.2573, 24.5919, 23.3446



Protanomaly

17.2192, 22.8516, 20.9560



Deuteranomaly

17.8482, 22.4566, 23.8159



Tritanomaly

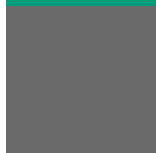
16.9186, 24.5325, 31.8605

Monochromacy



Original Color

15.2573, 24.5919, 23.3446



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

12.3223, 16.5291, 17.8702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2573, 24.5919, 23.3446 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, 154, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 125)  
}
```

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, 154, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 125) }
```

Border

The CSS property to change the border of an element to XYZ 15.2573, 24.5919, 23.3446 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, 154, 125) }
```


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

```
.border{ border-color:rgb(0, 154, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2573, 24.5919, 23.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 125) }
```

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

```
.background{ background-color: rgb(0, 154,  
125) }
```

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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