

Converting Colors

XYZ(8.7374, 20.8704, 23.1581)

Have a look what the booklet for
XYZ(8.7374, 20.8704, 23.1581)
contains.

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Color

**XYZ(15.1571, 24.2888,
23.6280)**

Conversions

Conversions Part 1

Format	Color
Hex	00997E
RGB	0, 153, 126
RGB Percent	0%, 60%, 49%
CMY	0.9999, 0.4000, 0.5059
CMYK	1.00, 0.00, 0.18, 0.40
HSL	169°, 100%, 30%
HSV	169°, 100%, 60%
XYZ	15.1571, 24.2888, 23.6280
YIQ	104.1750, -82.5210, -40.8330

Conversions

Conversions Part 2

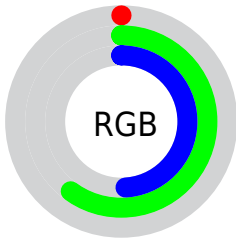
Format	Color
RYB	0, 84, 153
Decimal	39294
CIELab	56.38, -40.82, 4.60
CIELCh	56, 41.082, 173.571
Yxy	24.2888, 0.2403, 0.3851
Android (android.graphics.Color)	4278229374 (0xFF00997E)
YUV	104.1750, 10.7597, -91.3615
Hunter-Lab	49.2837, -31.3491, 6.0732

Details

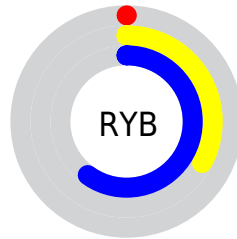
The XYZ color **15.1571, 24.2888, 23.6280** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.3355, 6.8521, 1.6576**, and the grayscale version is **13.1943, 13.8814, 15.1169**.

A 20% lighter version of the original color is **34.7171, 50.4411, 50.5542**, and **5.9932, 9.8432, 8.6052** is the 20% darker color. If you saturate the color by 10%, you get **15.1574, 24.2896, 23.6277**, and if you desaturate by 10%, it is **15.5364, 24.4645, 24.5683**.

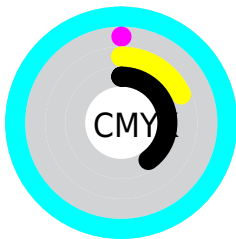
Distribution



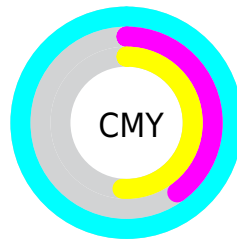
- Red (0%)
- Green (60%)
- Blue (49%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1571, 24.2888, 23.6280 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 15.1571, 24.2888, 23.6280 by changing the saturation by 10% instead.

■ 15.1571, 24.2888,
23.6280

■ 15.1571, 24.2888,
23.6280

217.6847,
274.2773, 284.1601

■ 9.0168, 15.5480,
14.8483

■ 34.6979, 50.5011,
50.3587

■ 4.8093, 9.2049,
8.5675

■ 48.8291, 68.7413,
69.1467

■ 2.1694, 4.8751,
4.3672

■ 66.3547, 90.9168,
92.1078

■ 0.7265, 2.1741,
1.8289

■ 87.6399, 117.4120,
119.6607

■ 0.0000, 0.7058,
0.4469

■ 113.0501,
148.6113, 152.2238

■ 0.0000, 0.0000,
0.0000

■ 142.9508,

184.8990, 190.2157

177.7072,
226.6595, 234.0550

■ 15.1571, 24.2888,
23.6280

■ 15.1571, 24.2888,
23.6280

■ 15.1574, 24.2896,
23.6277

■ 15.5364, 24.4645,
24.5683

■ 16.0692, 24.7182,
25.5400

■ 16.8247, 25.0862,
26.5471

■ 17.8306, 25.5827,
27.5910

■ 19.1103, 26.2198,
28.6730

■ 20.6847, 27.0082,
29.7943

■ 22.5724, 27.9576,
30.9559

■ 24.7907, 29.0769,
32.1588

■ 27.3556, 30.3742,
33.4039

Harmonies

Analogous

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



16.4977, 24.2888, 13.7704



15.1571, 24.2888, 23.6280



15.6948, 24.2888, 38.3264

Triad

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



15.1571, 24.2888, 23.6280



26.9282, 24.2888, 58.3376



28.9362, 24.2888, 10.5059

Complementary

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



15.1571, 24.2888, 23.6280



13.3355, 6.8521, 1.6576

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.



32.4947, 24.2888, 17.3163



15.1571, 24.2888, 23.6280



31.2288, 24.2888, 45.1871

Square

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



15.1571, 24.2888, 23.6280



22.0795, 24.2888, 61.8190



33.3864, 24.2888, 29.4804



24.1222, 24.2888, 8.0562

Rectangle

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



15.1571, 24.2888, 23.6280



17.0883, 24.2888, 48.8434



33.3864, 24.2888, 29.4804



30.3442, 24.2888, 12.2195

Sweetspot

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



15.1578, 24.2897, 23.6286



40.2032, 49.9564, 55.3092



11.8723, 23.0310, 3.8201



8.5777, 10.8801, 12.0344



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.



15.1578, 24.2897, 23.6286



27.0828, 43.4738, 41.9892



10.7566, 12.3131, 31.9478



6.3378, 7.0078, 7.7021



12.5379, 20.0786, 19.5848



0.1983, 0.3045, 0.3500

Inverse Universe

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



13.3355, 6.8521, 1.6576



23.8316, 12.2504, 2.7067



14.2133, 8.9243, 0.9739



6.2511, 6.2396, 6.7024



11.0302, 5.6663, 1.4181



0.1746, 0.0886, 0.0725

Previews

White Background



This preview shows how the XYZ color 15.1571, 24.2888, 23.6280 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 15.1571, 24.2888, 23.6280 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 15.1571, 24.2888, 23.6280

Background



This preview shows how black text looks on a background with the XYZ color 15.1571, 24.2888, 23.6280.

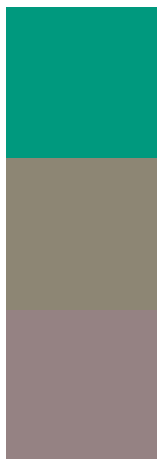


This preview shows how white text looks on a background with the XYZ color 15.1571, 24.2888, 23.6280.

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

15.1571, 24.2888, 23.6280

Protanopia

22.6620, 23.9739, 19.9560

Deuteranopia

24.4738, 23.9935, 24.8140



Tritanopia

18.0173, 24.2758, 36.9938

Trichromacy



Original Color

15.1571, 24.2888, 23.6280



Protanomaly

17.1315, 22.5795, 21.2246



Deuteranomaly

17.7702, 22.1948, 24.1163



Tritanomaly

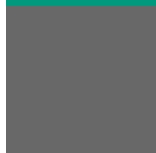
16.7583, 24.2120, 31.8071

Monochromacy



Original Color

15.1571, 24.2888, 23.6280



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

12.1309, 16.2472, 17.8259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1571, 24.2888, 23.6280 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 126) }
```

Border

The CSS property to change the border of an element to XYZ 15.1571, 24.2888, 23.6280 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, 126) }
```


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

```
.border{ border-color:rgb(0, 153, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1571, 24.2888, 23.6280 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, 126) }
```

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

```
.background{ background-color: rgb(0, 153,  
126) }
```

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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