

Converting Colors

XYZ(11.0065, 19.0159, 19.2586)

Have a look what the booklet for
XYZ(11.0065, 19.0159, 19.2586)
contains.

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Color

**XYZ(12.3271, 19.7030,
19.3730)**

Conversions

Conversions Part 1

Format	Color
Hex	008B73
RGB	0, 139, 115
RGB Percent	0%, 55%, 45%
CMY	1.0000, 0.4549, 0.5490
CMYK	1.00, 0.00, 0.17, 0.45
HSL	170°, 100%, 27%
HSV	170°, 100%, 55%
XYZ	12.3271, 19.7030, 19.3730
YIQ	94.7030, -75.1400, -36.9320

Conversions

Conversions Part 2

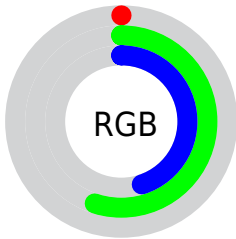
Format	Color
RYB	0, 76, 139
Decimal	35699
CIELab	51.50, -37.86, 3.89
CIELCh	51, 38.055, 174.133
Yxy	19.7030, 0.2398, 0.3833
Android (android.graphics.Color)	4278225779 (0xFF008B73)
YUV	94.7030, 10.0064, -83.0545
Hunter-Lab	44.3881, -28.1075, 5.1947

Details

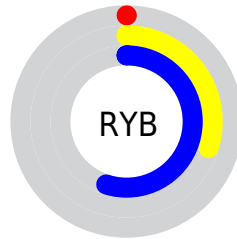
The XYZ color **12.3271, 19.7030, 19.3730** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.8130, 5.5554, 1.3673**, and the grayscale version is **10.7971, 11.3593, 12.3703**.

A 20% lighter version of the original color is **29.6123, 42.7689, 43.2537**, and **4.5028, 7.3847, 6.4983** is the 20% darker color. If you saturate the color by 10%, you get **12.3274, 19.7036, 19.3728**, and if you desaturate by 10%, it is **12.6472, 19.8523, 20.1189**.

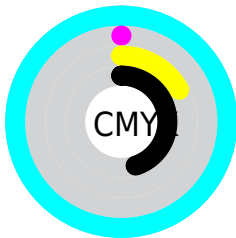
Distribution



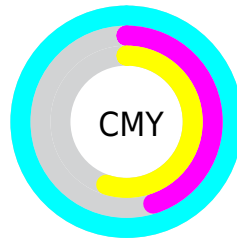
- Red (0%)
- Green (55%)
- Blue (45%)



- Red (0%)
- Yellow (30%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (45%)



- Cyan (100%)
- Magenta (45%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3271, 19.7030, 19.3730 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 12.3271, 19.7030, 19.3730 by changing the saturation by 10% instead.

■ 12.3271, 19.7030,
19.3730

■ 12.3271, 19.7030,
19.3730

200.2849,
250.3027, 260.9913

■ 7.0406, 12.1793,
11.7606

■ 29.7012, 42.9187,
43.2085

■ 3.5341, 6.8659,
6.4603

■ 42.5195, 59.3795,
60.2687

■ 1.4421, 3.3784,
3.0537

■ 58.5792, 79.5881,
81.3151

■ 0.2859, 1.3323,
1.1221

■ 78.2455, 103.9290,
106.7665

■ 0.0000, 0.1660,
0.0000

■ 101.8839,
132.7865, 137.0412

■ 0.0000, 0.0000,
0.0000

■ 129.8597,

166.5450, 172.5579

162.5383,
205.5890, 213.7351

■ 12.3271, 19.7030,
19.3730

■ 12.3271, 19.7030,
19.3730

■ 12.3274, 19.7036,
19.3728

■ 12.6472, 19.8523,
20.1189

■ 13.0848, 20.0613,
20.8889

■ 13.7015, 20.3622,
21.6862

■ 14.5186, 20.7660,
22.5122

■ 15.5547, 21.2823,
23.3677

■ 16.8261, 21.9194,
24.2536

■ 18.3476, 22.6851,
25.1709

■ 20.1327, 23.5862,
26.1203

■ 22.1940, 24.6292,
27.1024

Harmonies

Analogous

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



13.3811, 19.7030, 11.3342



12.3271, 19.7030, 19.3730



12.7896, 19.7030, 31.2592

Triad

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



12.3271, 19.7030, 19.3730



21.8950, 19.7030, 46.9604



23.3710, 19.7030, 8.5188

Complementary

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



12.3271, 19.7030, 19.3730



10.8130, 5.5554, 1.3673

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.



26.2656, 19.7030, 13.9479



12.3271, 19.7030, 19.3730



25.3355, 19.7030, 36.2970

Square

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



12.3271, 19.7030, 19.3730



17.9859, 19.7030, 49.9362



27.0293, 19.7030, 23.6773



19.4884, 19.7030, 6.5897

Rectangle

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



12.3271, 19.7030, 19.3730



13.9326, 19.7030, 39.6973



27.0293, 19.7030, 23.6773



24.5118, 19.7030, 9.8824

Sweetspot

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



12.3277, 19.7038, 19.3735



32.6618, 40.5257, 44.9650



9.6462, 18.6789, 3.0973



7.2823, 9.2153, 10.2187



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.3277, 19.7038, 19.3735



22.0218, 35.2632, 34.4097



8.7517, 10.0466, 25.9048



5.1364, 5.6740, 6.2393



11.1312, 17.7851, 17.5132



0.0785, 0.1200, 0.1402

Inverse Universe

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



10.8130, 5.5554, 1.3673



19.3186, 9.9301, 2.2131



11.5495, 7.2925, 0.7992



5.0658, 5.0618, 5.4352



9.7635, 5.0155, 1.2587



0.0687, 0.0348, 0.0284

Previews

White Background



This preview shows how the XYZ color 12.3271, 19.7030, 19.3730 looks on a white background.

Color Contrast Check

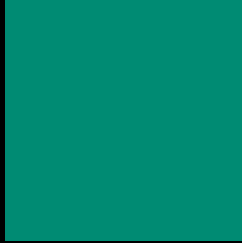
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3271, 19.7030, 19.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

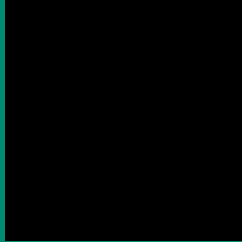
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.3271, 19.7030, 19.3730

Background



This preview shows how black text looks on a background with the XYZ color 12.3271, 19.7030, 19.3730.

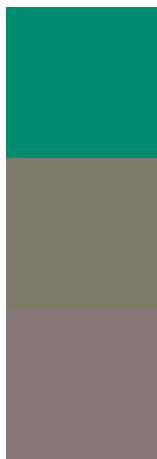


This preview shows how white text looks on a background with the XYZ color 12.3271, 19.7030,

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

12.3271, 19.7030, 19.3730

Protanopia

18.4631, 19.5489, 16.4359

Deuteranopia

19.8603, 19.4638, 20.4794



Tritanopia

14.7274, 19.8544, 30.2502

Trichromacy



Original Color

12.3271, 19.7030, 19.3730

Protanomaly

13.8728, 18.2918, 17.2675

Deuteranomaly

14.5686, 18.2081, 19.8862

Tritanomaly

13.5782, 19.5643, 25.9823

Monochromacy



Original Color

12.3271, 19.7030, 19.3730

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

9.9462, 13.2888, 14.6112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3271, 19.7030, 19.3730 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, 139, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 115)  
}
```

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, 139, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.3271, 19.7030, 19.3730 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, 139, 115) }
```


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

```
.border{ border-color:rgb(0, 139, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3271, 19.7030, 19.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 115) }
```

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

```
.background{ background-color: rgb(0, 139,  
115) }
```

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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