

Converting Colors

XYZ(6.1373, 13.0135, 19.1066)

Have a look what the booklet for
XYZ(6.1373, 13.0135, 19.1066)
contains.

XYZ(10.0483, 14.9591, 19.1874)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.0483, 14.9591,
19.1874)**

Conversions

Conversions Part 1

Format	Color
Hex	007975
RGB	0, 121, 117
RGB Percent	0%, 47%, 46%
CMY	0.9999, 0.5255, 0.5412
CMYK	1.00, 0.00, 0.03, 0.53
HSL	178°, 100%, 24%
HSV	178°, 100%, 47%
XYZ	10.0483, 14.9591, 19.1874
YIQ	84.3650, -70.8320, -26.8960

Conversions

Conversions Part 2

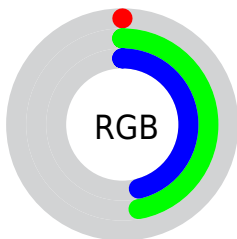
Format	Color
RYB	0, 62, 121
Decimal	31093
CIELab	45.58, -29.00, -5.96
CIELCh	46, 29.607, 191.612
Yxy	14.9591, 0.2274, 0.3385
Android (android.graphics.Color)	4278221173 (0xFF007975)
YUV	84.3650, 16.0891, -73.9881
Hunter-Lab	38.6770, -21.3104, -2.3395

Details

The XYZ color **10.0483, 14.9591, 19.1874** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.9076, 4.0743, 0.4851**, and the grayscale version is **8.4818, 8.9235, 9.7177**.

A 20% lighter version of the original color is **25.5219, 34.7989, 42.9078**, and **3.3915, 5.0644, 6.4290** is the 20% darker color. If you saturate the color by 10%, you get **10.0485, 14.9595, 19.1876**, and if you desaturate by 10%, it is **10.2254, 15.0480, 19.3191**.

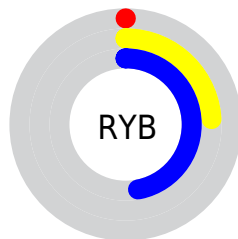
Distribution



Red (0%)

Green (47%)

Blue (46%)



Red (0%)

Yellow (24%)

Blue (47%)

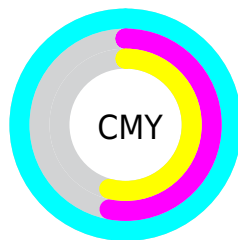


Cyan (100%)

Magenta (0%)

Yellow (3%)

Black (53%)



Cyan (100%)

Magenta (53%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0483, 14.9591, 19.1874 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 10.0483, 14.9591, 19.1874 by changing the saturation by 10% instead.

10.0483, 14.9591,
19.1874

10.0483, 14.9591,
19.1874

185.0629,
223.1185, 259.9385

5.4935, 8.7907,
11.6276

25.5352, 34.7814,
42.8914

2.5773, 4.6049,
6.3712

37.1979, 49.2041,
59.8727

0.9344, 2.0174,
2.9997

51.9608, 67.1470,
80.8316

0.0000, 0.6175,
1.0945

70.1890, 88.9945,
106.1866

0.0000, 0.0000,
0.0000

92.2479, 115.1310,
136.3562

118.5030,

145.9409, 171.7591

149.3195,
181.8086, 212.8136

■ 10.0483, 14.9591,
19.1874

■ 10.0483, 14.9591,
19.1874

■ 10.0485, 14.9595,
19.1876

■ 10.2254, 15.0480,
19.3191

■ 10.4777, 15.1753,
19.4545

■ 10.8583, 15.3688,
19.5965

■ 11.3822, 15.6361,
19.7457

■ 12.0625, 15.9840,
19.9027

■ 12.9104, 16.4184,
20.0681

■ 13.9366, 16.9446,
20.2424

■ 15.1506, 17.5676,
20.4260

■ 16.5612, 18.2920,
20.6194

Harmonies

Analogous

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



10.1642, 14.9591, 12.3564



10.0483, 14.9591, 19.1874



10.9493, 14.9591, 27.1161

Triad

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



10.0483, 14.9591, 19.1874



17.6176, 14.9591, 28.7476



15.7725, 14.9591, 6.4773

Complementary

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



10.0483, 14.9591, 19.1874



7.9076, 4.0743, 0.4851

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.



18.0804, 14.9591, 8.8113



10.0483, 14.9591, 19.1874



19.2279, 14.9591, 20.9757

Square

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



10.0483, 14.9591, 19.1874



15.1975, 14.9591, 33.6133



19.4065, 14.9591, 13.6963



13.2819, 14.9591, 6.2544

Rectangle

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



10.0483, 14.9591, 19.1874



12.0739, 14.9591, 31.4571



19.4065, 14.9591, 13.6963



16.6024, 14.9591, 7.0006

Sweetspot

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



10.0487, 14.9597, 19.1878



24.8039, 30.2643, 36.2233



6.8884, 13.7013, 2.2821



5.5234, 6.8441, 8.2581



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.0487, 14.9597, 19.1878



17.9831, 26.7835, 34.3034



5.3157, 5.1089, 18.7957



4.1016, 4.5103, 5.0689



10.7673, 16.0306, 20.5574



51.2965, 76.4416, 97.7199

Inverse Universe

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



7.9076, 4.0743, 0.4851



14.1489, 7.2907, 0.8117



9.3229, 6.9399, 0.8487



4.0032, 4.0170, 4.2144



8.4728, 4.3653, 0.5147



40.3538, 20.7979, 2.1272

Previews

White Background



This preview shows how the XYZ color 10.0483, 14.9591, 19.1874 looks on a white 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

Black Background



This preview shows how the XYZ color 10.0483, 14.9591, 19.1874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

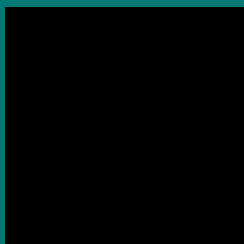
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0483, 14.9591, 19.1874

Background



This preview shows how black text looks on a background with the XYZ color 10.0483, 14.9591, 19.1874.



This preview shows how white text looks on a background with the XYZ color 10.0483, 14.9591,

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

10.0483, 14.9591, 19.1874

Protanopia

14.3247, 14.8707, 16.5833

Deuteranopia

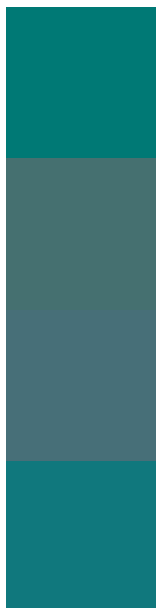
15.1849, 14.9284, 20.1703



Tritanopia

10.9602, 14.9853, 23.0837

Trichromacy



Original Color

10.0483, 14.9591, 19.1874

Protanomaly

11.1730, 14.0234, 17.4471

Deuteranomaly

11.6731, 14.0645, 19.8688

Tritanomaly

10.6318, 15.0238, 21.7416

Monochromacy



Original Color

10.0483, 14.9591, 19.1874

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

7.8542, 10.1508, 12.6117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0483, 14.9591, 19.1874 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, 121, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 117)  
}
```

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, 121, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 117) }
```

Border

The CSS property to change the border of an element to XYZ 10.0483, 14.9591, 19.1874 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, 121, 117) }
```


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

```
.border{ border-color:rgb(0, 121, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 121, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 121, 117); box-shadow:4px 4px 4px 4px rgb(0, 121, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0483, 14.9591, 19.1874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 117) }
```

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

```
.background{ background-color: rgb(0, 121,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor