

Converting Colors

XYZ(10.4828, 16.1354, 18.1771)

Have a look what the booklet for
XYZ(10.4828, 16.1354, 18.1771)
contains.

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Color

**XYZ(10.4790, 16.1333,
18.1845)**

Conversions

Conversions Part 1

Format	Color
Hex	037E71
RGB	3, 126, 113
RGB Percent	1%, 49%, 44%
CMY	0.9882, 0.5059, 0.5569
CMYK	0.98, 0.00, 0.10, 0.51
HSL	174°, 95%, 25%
HSV	174°, 98%, 49%
XYZ	10.4790, 16.1333, 18.1845
YIQ	87.7410, -69.1350, -30.1190

Conversions

Conversions Part 2

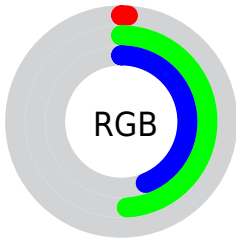
Format	Color
RYB	3, 68, 126
Decimal	228977
CIELab	47.15, -32.44, -1.26
CIELCh	47, 32.465, 182.228
Yxy	16.1333, 0.2339, 0.3601
Android (android.graphics.Color)	4278419057 (0xFF037E71)
YUV	87.7410, 12.4527, -74.3179
Hunter-Lab	40.1663, -23.7220, 1.2740

Details

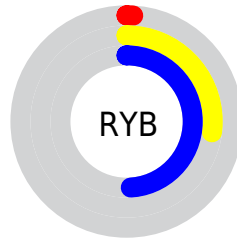
The XYZ color **10.4790, 16.1333, 18.1845** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.7307, 4.5385, 0.9065**, and the grayscale version is **9.2047, 9.6841, 10.5460**.

A 20% lighter version of the original color is **26.3050, 36.7061, 41.2959**, and **3.5386, 5.5505, 5.8859** is the 20% darker color. If you saturate the color by 10%, you get **10.4239, 16.1073, 18.0889**, and if you desaturate by 10%, it is **10.7244, 16.2515, 18.5907**.

Distribution



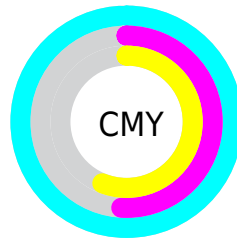
- Red (1%)
- Green (49%)
- Blue (44%)



- Red (1%)
- Yellow (27%)
- Blue (49%)



- Cyan (98%)
- Magenta (0%)
- Yellow (10%)
- Black (51%)



- Cyan (99%)
- Magenta (51%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4790, 16.1333, 18.1845 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 10.4790, 16.1333, 18.1845 by changing the saturation by 10% instead.

■ 10.4790, 16.1333,
18.1845

■ 10.4790, 16.1333,
18.1845

188.0405,
230.1270, 254.1799

■ 5.7824, 9.6185,
10.9117

■ 26.3342, 36.8295,
41.1696

■ 2.7526, 5.1468,
5.8941

■ 38.2235, 51.7796,
57.7191

■ 1.0243, 2.3336,
2.7130

■ 53.2411, 70.3104,
78.1978

■ 0.0000, 0.7914,
0.9500

■ 71.7523, 92.8062,
103.0244

■ 0.0000, 0.0000,
0.0000

■ 94.1225, 119.6513,
132.6173

■ 120.7170,

151.2303, 167.3952

151.9012,
187.9274, 207.7765

■ 10.4790, 16.1333,
18.1845

■ 10.4790, 16.1333,
18.1845

■ 10.4239, 16.1073,
18.0889

■ 10.7244, 16.2515,
18.5907

■ 11.0787, 16.4252,
19.0074

■ 11.5787, 16.6740,
19.4367

■ 12.2406, 17.0061,
19.8795

■ 13.0782, 17.4287,
20.3362

■ 14.1040, 17.9481,
20.8077

■ 15.3293, 18.5703,
21.2944

■ 16.7645, 19.3005,
21.7968

■ 18.4193, 20.1438,
22.3154

Harmonies

Analogous

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



10.9737, 16.1333, 11.2147



10.4790, 16.1333, 18.1845



11.1453, 16.1333, 27.3498

Triad

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



10.4790, 16.1333, 18.1845



18.4504, 16.1333, 34.4942



18.0355, 16.1333, 7.0083

Complementary

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



10.4790, 16.1333, 18.1845



8.7307, 4.5385, 0.9065

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.



20.4598, 16.1333, 10.4482



10.4790, 16.1333, 18.1845



20.7194, 16.1333, 25.9527

Square

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



10.4790, 16.1333, 18.1845



15.5485, 16.1333, 38.4116



21.4963, 16.1333, 16.9625



15.1219, 16.1333, 6.0782

Rectangle

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



10.4790, 16.1333, 18.1845



12.2130, 16.1333, 33.1453



21.4963, 16.1333, 16.9625



18.9465, 16.1333, 7.8429

Sweetspot

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



10.4795, 16.1339, 18.1849



26.5067, 32.4451, 37.3023



7.7152, 15.0513, 2.5850



5.8536, 7.2908, 8.4162



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.4795, 16.1339, 18.1849



18.3171, 28.3392, 31.6778



6.5892, 7.0969, 20.7619



4.4275, 4.8793, 5.4222



10.6927, 16.5236, 18.5521



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.7307, 4.5385, 0.9065



15.2484, 7.8489, 1.2520



9.7683, 6.7370, 0.8719



4.3448, 4.3511, 4.6204



8.9028, 4.5808, 0.8121



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.4790, 16.1333, 18.1845 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 10.4790, 16.1333, 18.1845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

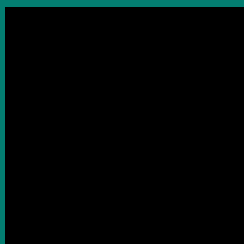
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4790, 16.1333, 18.1845

Background



This preview shows how black text looks on a background with the XYZ color 10.4790, 16.1333, 18.1845.



This preview shows how white text looks on a background with the XYZ color 10.4790, 16.1333,

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

10.4790, 16.1333, 18.1845

Protanopia

15.3045, 16.0336, 15.6528

Deuteranopia

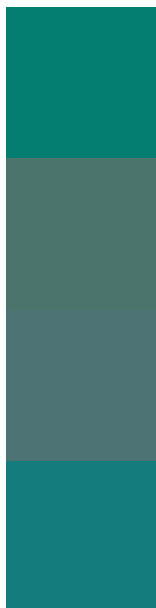
16.3192, 16.0025, 19.0583



Tritanopia

11.9123, 16.1664, 24.6829

Trichromacy



Original Color

10.4790, 16.1333, 18.1845

Protanomaly

11.7762, 15.0293, 16.4676

Deuteranomaly

12.3437, 15.1002, 18.7870

Tritanomaly

11.2828, 16.0811, 22.2480

Monochromacy



Original Color

10.4790, 16.1333, 18.1845

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.5964, 11.2357, 13.0249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4790, 16.1333, 18.1845 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(3, 126, 113)` looks like.

```
.text, #text, p{  
    color:rgb(3, 126, 113)  
}
```

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(3, 126, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 126, 113) }
```

Border

The CSS property to change the border of an element to XYZ 10.4790, 16.1333, 18.1845 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(3, 126, 113) }
```


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

```
.border{ border-color:rgb(3, 126, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 126, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 126, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 126, 113);  
box-shadow:4px 4px 4px 4px rgb(3, 126,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4790, 16.1333, 18.1845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 126, 113) }
```

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

```
.background{ background-color: rgb(3, 126,  
113) }
```

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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