

Converting Colors

XYZ(10.4593, 15.9698, 16.1410)

Have a look what the booklet for
XYZ(10.4593, 15.9698, 16.1410)
contains.

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Color

**XYZ(10.4706, 15.9839,
16.1690)**

Conversions

Conversions Part 1

Format	Color
Hex	1E7D6A
RGB	30, 125, 106
RGB Percent	12%, 49%, 42%
CMY	0.8823, 0.5098, 0.5843
CMYK	0.76, 0.00, 0.15, 0.51
HSL	168°, 61%, 30%
HSV	168°, 76%, 49%
XYZ	10.4706, 15.9839, 16.1690
YIQ	94.4290, -50.5210, -26.0490

Conversions

Conversions Part 2

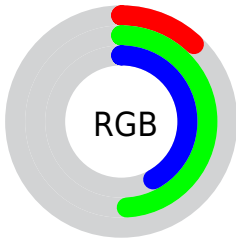
Format	Color
R_{YB}	30, 83, 125
Decimal	1998186
CIE _{Lab}	46.95, -31.66, 2.63
CIE _{LCh}	47, 31.771, 175.251
Yxy	15.9839, 0.2457, 0.3750
Android (android.graphics.Color)	4280188266 (0xFF1E7D6A)
YUV	94.4290, 5.7045, -56.5042
Hunter-Lab	39.9799, -23.2162, 4.0073

Details

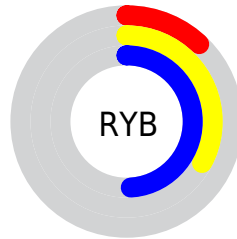
The XYZ color **10.4706, 15.9839, 16.1690** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.4767, 5.5108, 3.4707**, and the grayscale version is **10.7371, 11.2963, 12.3016**.

A 20% lighter version of the original color is **26.2226, 36.4488, 37.5515**, and **3.3055, 5.3479, 4.9957** is the 20% darker color. If you saturate the color by 10%, you get **10.0476, 15.7810, 15.4806**, and if you desaturate by 10%, it is **11.0431, 16.2642, 16.8849**.

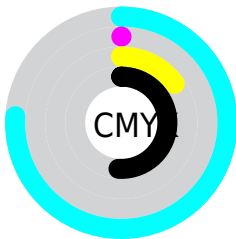
Distribution



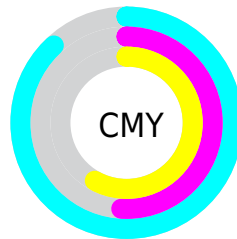
- Red (12%)
- Green (49%)
- Blue (42%)



- Red (12%)
- Yellow (33%)
- Blue (49%)



- Cyan (76%)
- Magenta (0%)
- Yellow (15%)
- Black (51%)



- Cyan (88%)
- Magenta (51%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4706, 15.9839, 16.1690 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 10.4706, 15.9839, 16.1690 by changing the saturation by 10% instead.

10.4706, 15.9839,
16.1690

10.4706, 15.9839,
16.1690

187.9829,
229.2467, 242.2166

5.7767, 9.5128,
9.4882

26.3187, 36.5703,
37.6622

2.7492, 5.0771,
4.9598

38.2036, 51.4543,
53.3117

1.0225, 2.2926,
2.1654

53.2163, 69.9113,
72.7878

0.0000, 0.7698,
0.6543

71.7220, 92.3259,
96.5090

0.0000, 0.0000,
0.0000

94.0862, 119.0823,
124.8940

120.6742,

150.5650, 158.3612

151.8513,
187.1583, 197.3292

■ 10.4706, 15.9839,
16.1690

■ 10.4706, 15.9839,
16.1690

■ 10.0476, 15.7810,
15.4806

■ 11.0431, 16.2642,
16.8849

■ 9.7455, 15.6397,
14.8171

■ 11.7791, 16.6279,
17.6281

■ 9.6341, 15.5879,
14.5574

■ 12.6925, 17.0826,
18.3997

■ 13.7952, 17.6346,
19.2004

■ 15.0983, 18.2893,
20.0309

■ 16.6118, 19.0520,
20.8919

■ 18.3451, 19.9276,
21.7840

■ 20.3071, 20.9207,
22.7076

■ 22.5061, 22.0354,
23.6634

Harmonies

Analogous

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



11.2159, 15.9839, 10.0654



10.4706, 15.9839, 16.1690



10.8589, 15.9839, 24.7712

Triad

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



10.4706, 15.9839, 16.1690



17.5842, 15.9839, 35.2085



18.4413, 15.9839, 7.6245

Complementary

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



10.4706, 15.9839, 16.1690



9.4767, 5.5108, 3.4707

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.



20.5478, 15.9839, 11.6644



10.4706, 15.9839, 16.1690



20.0122, 15.9839, 27.6487

Square

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



10.4706, 15.9839, 16.1690



14.7547, 15.9839, 37.5089



21.1549, 15.9839, 18.6998



15.6383, 15.9839, 6.1842

Rectangle

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



10.4706, 15.9839, 16.1690



11.7366, 15.9839, 30.6704



21.1549, 15.9839, 18.6998



19.2671, 15.9839, 8.6499

Sweetspot

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



10.4711, 15.9845, 16.1694



27.6621, 33.0655, 36.2403



8.9129, 15.4547, 3.7420



6.1168, 7.4329, 8.1390



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.



10.4711, 15.9845, 16.1694



17.5926, 28.0716, 26.8610



8.6132, 10.5084, 20.9771



4.4107, 4.8726, 5.3341



10.0523, 16.2675, 15.1798



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.4767, 5.5108, 3.4707



15.7737, 8.3254, 3.1974



10.1514, 7.3724, 2.1167



4.3602, 4.3572, 4.7015



9.0080, 4.6229, 1.3659



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.4706, 15.9839, 16.1690 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 10.4706, 15.9839, 16.1690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

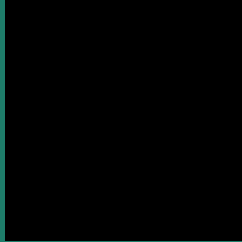
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4706, 15.9839, 16.1690

Background



This preview shows how black text looks on a background with the XYZ color 10.4706, 15.9839, 16.1690.

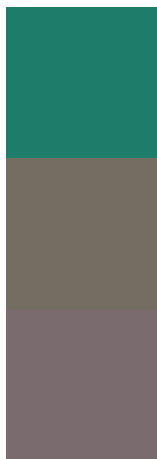


This preview shows how white text looks on a background with the XYZ color 10.4706, 15.9839,

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

10.4706, 15.9839, 16.1690

Protanopia

14.9830, 15.7467, 13.8050

Deuteranopia

16.0982, 15.7788, 16.9490



Tritanopia

12.0163, 15.8713, 23.9029

Trichromacy



Original Color

10.4706, 15.9839, 16.1690

Protanomaly

12.2260, 15.1323, 14.5884

Deuteranomaly

12.8975, 15.2626, 16.7342

Tritanomaly

11.3475, 15.7753, 20.8592

Monochromacy



Original Color

10.4706, 15.9839, 16.1690

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.8547, 12.3246, 13.4148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4706, 15.9839, 16.1690 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(30, 125, 106)` looks like.

```
.text, #text, p{  
    color:rgb(30, 125, 106)  
}
```

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(30, 125, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 125, 106) }
```

Border

The CSS property to change the border of an element to XYZ 10.4706, 15.9839, 16.1690 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(30, 125, 106) }
```


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

```
.border{ border-color:rgb(30, 125, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 125, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 125, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 125, 106);  
box-shadow:4px 4px 4px 4px rgb(30, 125,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4706, 15.9839, 16.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 125, 106) }
```

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

```
.background{ background-color: rgb(30, 125,  
106) }
```

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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