

Converting Colors

XYZ(16.9890, 19.5736, 14.6873)

Have a look what the booklet for
XYZ(16.9890, 19.5736, 14.6873)
contains.

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Color

**XYZ(17.0491, 19.6045,
14.6898)**

Conversions

Conversions Part 1

Format	Color
Hex	757E63
RGB	117, 126, 99
RGB Percent	46%, 49%, 39%
CMY	0.5412, 0.5059, 0.6118
CMYK	0.07, 0.00, 0.21, 0.51
HSL	80°, 12%, 44%
HSV	80°, 21%, 49%
XYZ	17.0491, 19.6045, 14.6898
YIQ	120.2310, 3.3030, -10.3050

Conversions

Conversions Part 2

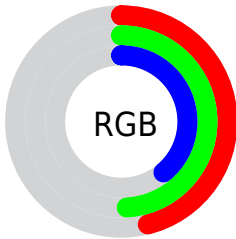
Format	Color
RYB	99, 126, 108
Decimal	7700067
CIELab	51.39, -8.48, 13.61
CIElCh	51, 16.033, 121.922
Yxy	19.6045, 0.3321, 0.3818
Android (android.graphics.Color)	4285890147 (0xFF757E63)
YUV	120.2310, -10.4669, -2.8336
Hunter-Lab	44.2770, -8.7523, 11.3232

Details

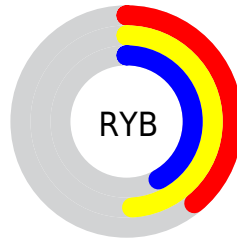
The XYZ color **17.0491, 19.6045, 14.6898** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.4129, 13.6187, 21.6088**, and the grayscale version is **17.9587, 18.8940, 20.5756**.

A 20% lighter version of the original color is **37.9873, 42.8772, 35.1281**, and **5.7280, 6.8209, 4.2635** is the 20% darker color. If you saturate the color by 10%, you get **15.9414, 19.0983, 11.7351**, and if you desaturate by 10%, it is **18.2772, 20.1631, 18.1416**.

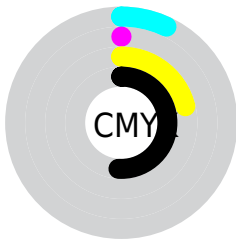
Distribution



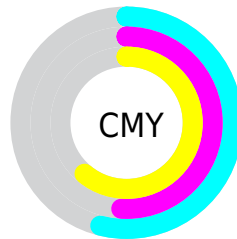
- Red (46%)
- Green (49%)
- Blue (39%)



- Red (39%)
- Yellow (49%)
- Blue (42%)



- Cyan (7%)
- Magenta (0%)
- Yellow (21%)
- Black (51%)



- Cyan (54%)
- Magenta (51%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0491, 19.6045, 14.6898 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 17.0491, 19.6045, 14.6898 by changing the saturation by 10% instead.

■ 17.0491, 19.6045,
14.6898

■ 17.0491, 19.6045,
14.6898

228.6059,
249.7659, 233.0566

■ 10.3650, 12.1079,
8.4578

■ 37.9531, 42.7531,
35.0426

■ 5.7058, 6.8172,
4.2973

■ 52.9037, 59.1739,
50.0005

■ 2.7060, 3.3480,
1.7898

■ 71.3406, 79.3381,
68.7041

■ 1.0002, 1.3160,
0.4212

■ 93.6291, 103.6303,
91.5720

■ 0.0000, 0.1536,
0.0000

120.1345,
132.4348, 119.0226

■ 0.0000, 0.0000,
0.0000

151.2222,

166.1360, 151.4746

187.2575,
205.1182, 189.3464

■ 17.0491, 19.6045,
14.6898

■ 17.0491, 19.6045,
14.6898

■ 15.9414, 19.0983,
11.7351

■ 18.2772, 20.1631,
18.1416

■ 14.9479, 18.6401,
9.2534

■ 19.6285, 20.7732,
22.1108

■ 14.0641, 18.2285,
7.2204

■ 21.1077, 21.4376,
26.6179

■ 13.2844, 17.8614,
5.6091

■ 22.7187, 22.1577,
31.6819

■ 12.6030, 17.5364,
4.3896

■ 24.4653, 22.9351,
37.3211

■ 12.0130, 17.2507,
3.5283

■ 26.3511, 23.7713,
43.5527

■ 11.5065, 17.0011,
2.9856

■ 28.3795, 24.6676,
50.3935

■ 11.1167, 16.8070,
2.6582

■ 30.5538, 25.6255,
57.8592

■ 32.8772, 26.6463,
65.9653

Harmonies

Analogous

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



18.5302, 19.6045, 13.6762



17.0491, 19.6045, 14.6898



16.0415, 19.6045, 17.4511

Triad

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



17.0491, 19.6045, 14.6898



17.2186, 19.6045, 30.1305



21.8905, 19.6045, 21.0509

Complementary

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



17.0491, 19.6045, 14.6898



14.4129, 13.6187, 21.6088

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.



21.4906, 19.6045, 25.7811



17.0491, 19.6045, 14.6898



18.7372, 19.6045, 31.4518

Square

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



17.0491, 19.6045, 14.6898



16.1354, 19.6045, 26.3678



20.3131, 19.6045, 29.7591



21.3770, 19.6045, 17.0060

Rectangle

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



17.0491, 19.6045, 14.6898



15.7425, 19.6045, 20.1282



20.3131, 19.6045, 29.7591



21.8584, 19.6045, 22.6119

Sweetspot

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



17.0496, 19.6054, 14.6902



33.4005, 36.0458, 35.5111



16.2196, 16.0622, 14.0501



7.5704, 8.1869, 7.9983



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.



17.0496, 19.6054, 14.6902



28.9737, 34.0348, 23.0569



15.3647, 18.7367, 14.6114



4.5304, 4.9499, 4.6368



11.3995, 17.2390, 2.7267



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4129, 13.6187, 21.6088



23.4161, 21.4138, 37.6435



16.1839, 14.5317, 21.6917



4.2335, 4.2760, 5.4155



4.8393, 2.0485, 20.3903



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.0491, 19.6045, 14.6898 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 17.0491, 19.6045, 14.6898 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

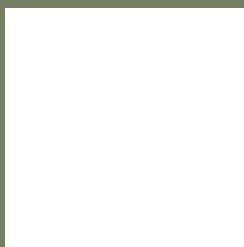
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.0491, 19.6045, 14.6898

Background



This preview shows how black text looks on a background with the XYZ color 17.0491, 19.6045, 14.6898.

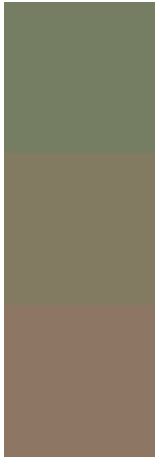


This preview shows how white text looks on a background with the XYZ color 17.0491, 19.6045,

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

17.0491, 19.6045, 14.6898

Protanopia

18.3231, 19.5280, 14.1128

Deuteranopia

19.9827, 19.6472, 15.0510



Tritanopia

19.0823, 19.6953, 24.2686

Trichromacy



Original Color

17.0491, 19.6045, 14.6898

Protanomaly

17.7450, 19.4077, 14.3661

Deuteranomaly

18.8105, 19.5814, 14.8448

Tritanomaly

18.1585, 19.4909, 20.2578

Monochromacy



Original Color

17.0491, 19.6045, 14.6898

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.4919, 19.0109, 18.0768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0491, 19.6045, 14.6898 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(117, 126, 99)` looks like.

```
.text, #text, p{  
    color:rgb(117, 126, 99)  
}
```

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(117, 126, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 126, 99) }
```

Border

The CSS property to change the border of an element to XYZ 17.0491, 19.6045, 14.6898 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(117, 126, 99) }
```


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

```
.border{ border-color:rgb(117, 126, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 126, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 126, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 126, 99);  
box-shadow:4px 4px 4px 4px rgb(117, 126,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0491, 19.6045, 14.6898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 126, 99) }
```

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

```
.background{ background-color: rgb(117,  
126, 99) }
```

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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