

Converting Colors

XYZ(15.7812, 18.2587, 10.5356)

Have a look what the booklet for
XYZ(15.7812, 18.2587, 10.5356)
contains.

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Color

**XYZ(15.7809, 18.2951,
10.4841)**

Conversions

Conversions Part 1

Format	Color
Hex	757A51
RGB	117, 122, 81
RGB Percent	46%, 48%, 32%
CMY	0.5412, 0.5216, 0.6823
CMYK	0.04, 0.00, 0.34, 0.52
HSL	67°, 20%, 40%
HSV	67°, 34%, 48%
XYZ	15.7809, 18.2951, 10.4841
YIQ	115.8310, 10.1810, -13.8110

Conversions

Conversions Part 2

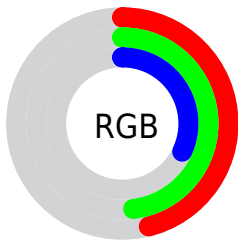
Format	Color
RYB	81, 122, 86
Decimal	7699025
CIELab	49.85, -9.03, 21.87
CIElCh	50, 23.662, 112.445
Yxy	18.2951, 0.3541, 0.4106
Android (android.graphics.Color)	4285889105 (0xFF757A51)
YUV	115.8310, -17.1717, 1.0252
Hunter-Lab	42.7728, -8.9953, 15.4083

Details

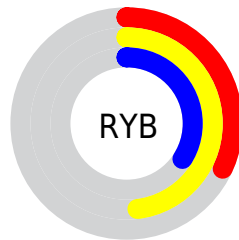
The XYZ color **15.7809, 18.2951, 10.4841** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.2937, 9.2689, 19.6600**, and the grayscale version is **16.5978, 17.4622, 19.0164**.

A 20% lighter version of the original color is **35.8103, 40.4568, 27.3943**, and **5.0698, 6.1154, 2.5033** is the 20% darker color. If you saturate the color by 10%, you get **15.1657, 18.0267, 8.2780**, and if you desaturate by 10%, it is **16.4825, 18.5997, 13.1241**.

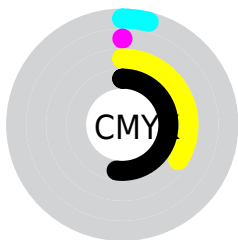
Distribution



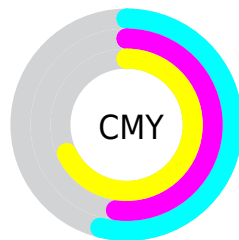
- Red (46%)
- Green (48%)
- Blue (32%)



- Red (32%)
- Yellow (48%)
- Blue (34%)



- Cyan (4%)
- Magenta (0%)
- Yellow (34%)
- Black (52%)



- Cyan (54%)
- Magenta (52%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7809, 18.2951, 10.4841 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 15.7809, 18.2951, 10.4841 by changing the saturation by 10% instead.

■ 15.7809, 18.2951,
10.4841

■ 15.7809, 18.2951,
10.4841

221.3413,
242.5292, 204.7019

■ 9.4591, 11.1621,
5.6113

■ 35.7779, 40.5395,
27.3241

■ 5.1013, 6.1759,
2.5453

■ 50.1839, 56.4197,
40.1283

■ 2.3422, 2.9524,
0.8640

■ 68.0153, 75.9844,
56.4135

■ 0.8161, 1.1069,
0.0000

■ 89.6375, 99.6180,
76.5981

■ 0.0000, 0.0000,
0.0000

■ 115.4158,
127.7048, 101.1007

145.7157,

160.6294, 130.3399

180.9024,
198.7760, 164.7341

■ 15.7809, 18.2951,
10.4841

■ 15.7809, 18.2951,
10.4841

■ 15.1657, 18.0267,
8.2780

■ 16.4825, 18.5997,
13.1241

■ 14.6310, 17.7903,
6.4816

■ 17.2731, 18.9396,
16.2184

■ 14.1724, 17.5847,
5.0697

■ 18.1570, 19.3172,
19.7874

■ 13.7847, 17.4077,
4.0143

■ 19.1379, 19.7339,
23.8500

■ 13.4617, 17.2571,
3.2832

■ 20.2191, 20.1912,
28.4239

■ 13.1954, 17.1294,
2.8348

■ 21.4038, 20.6902,
33.5261

■ 13.0374, 17.0529,
2.6044

■ 22.6952, 21.2323,
39.1728

■ 24.0961, 21.8186,
45.3794

■ 25.6095, 22.4502,
52.1608

Harmonies

Analogous

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



17.9670, 18.2951, 9.9489



15.7809, 18.2951, 10.4841



14.1642, 18.2951, 13.2524

Triad

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



15.7809, 18.2951, 10.4841



14.8707, 18.2951, 31.5149



22.0660, 18.2951, 21.6031

Complementary

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



15.7809, 18.2951, 10.4841



10.2937, 9.2689, 19.6600

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.



21.0693, 18.2951, 28.5167



15.7809, 18.2951, 10.4841



16.8234, 18.2951, 34.9930

Square

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



15.7809, 18.2951, 10.4841



13.6713, 18.2951, 25.0637



19.1027, 18.2951, 33.7909



21.7259, 18.2951, 15.5335

Rectangle

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



15.7809, 18.2951, 10.4841



13.5635, 18.2951, 16.3949



19.1027, 18.2951, 33.7909



21.8734, 18.2951, 23.9179

Sweetspot

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



15.7814, 18.2959, 10.4845



30.8916, 33.5346, 30.5501



12.8224, 11.3532, 9.3004



7.0245, 7.6511, 6.8290



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.



15.7814, 18.2959, 10.4845



26.9515, 31.8320, 15.5168



13.3450, 17.0399, 10.3705



4.2619, 4.6103, 4.2897



13.7210, 17.9506, 2.7416



64.9682, 85.3778, 13.0554

Inverse Universe

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



10.2937, 9.2689, 19.6600



15.8048, 13.4899, 34.1637



12.4334, 10.3719, 19.7601



3.8389, 3.9148, 4.9965



3.8995, 1.5830, 19.4853



18.2013, 7.3451, 92.9282

Previews

White Background



This preview shows how the XYZ color 15.7809, 18.2951, 10.4841 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 15.7809, 18.2951, 10.4841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

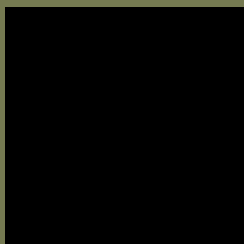
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

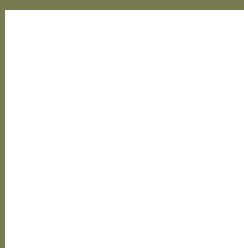
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7809, 18.2951, 10.4841

Background



This preview shows how black text looks on a background with the XYZ color 15.7809, 18.2951, 10.4841.



This preview shows how white text looks on a background with the XYZ color 15.7809, 18.2951,

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

15.7809, 18.2951, 10.4841

Protanopia

16.8285, 18.1252, 10.2010

Deuteranopia

18.4510, 18.0975, 10.7043



Tritanopia

18.1797, 18.2081, 22.2950

Trichromacy



Original Color

15.7809, 18.2951, 10.4841

Protanomaly

16.3570, 18.0579, 10.2128

Deuteranomaly

17.2841, 18.0055, 10.5471

Tritanomaly

17.1781, 18.1476, 17.3493

Monochromacy



Original Color

15.7809, 18.2951, 10.4841

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.1291, 17.6491, 15.3885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7809, 18.2951, 10.4841 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, 122, 81)` looks like.

```
.text, #text, p{  
    color:rgb(117, 122, 81)  
}
```

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, 122, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 122, 81) }
```

Border

The CSS property to change the border of an element to XYZ 15.7809, 18.2951, 10.4841 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, 122, 81) }
```


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

```
.border{ border-color:rgb(117, 122, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 122, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 122, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 122, 81);  
box-shadow:4px 4px 4px 4px rgb(117, 122,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7809, 18.2951, 10.4841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 122, 81) }
```

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

```
.background{ background-color: rgb(117,  
122, 81) }
```

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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