

Converting Colors

XYZ(15.8631, 18.8658, 11.8235)

Have a look what the booklet for
XYZ(15.8631, 18.8658, 11.8235)
contains.

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Color

**XYZ(15.8640, 18.8661,
11.8222)**

Conversions

Conversions Part 1

Format	Color
Hex	717D57
RGB	113, 125, 87
RGB Percent	44%, 49%, 34%
CMY	0.5569, 0.5098, 0.6588
CMYK	0.10, 0.00, 0.30, 0.51
HSL	79°, 18%, 42%
HSV	79°, 30%, 49%
XYZ	15.8640, 18.8661, 11.8222
YIQ	117.0800, 5.0460, -14.3620

Conversions

Conversions Part 2

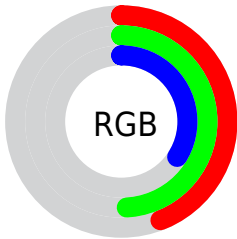
Format	Color
R_{YB}	87, 125, 99
Decimal	7437655
CIE _{Lab}	50.53, -11.48, 19.29
CIE _{LCh}	51, 22.448, 120.743
Yxy	18.8661, 0.3408, 0.4053
Android (android.graphics.Color)	4285627735 (0xFF717D57)
YUV	117.0800, -14.8294, -3.5782
Hunter-Lab	43.4351, -10.8171, 14.2670

Details

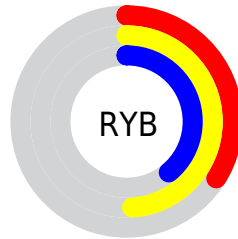
The XYZ color **15.8640, 18.8661, 11.8222** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.2562, 10.9502, 20.8708**, and the grayscale version is **16.9772, 17.8613, 19.4510**.

A 20% lighter version of the original color is **35.9528, 41.6463, 29.8105**, and **5.0990, 6.4190, 3.0681** is the 20% darker color. If you saturate the color by 10%, you get **14.9001, 18.4238, 9.3382**, and if you desaturate by 10%, it is **16.9394, 19.3569, 14.7739**.

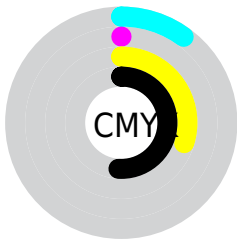
Distribution



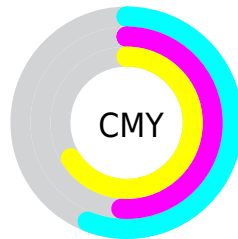
- Red (44%)
- Green (49%)
- Blue (34%)



- Red (34%)
- Yellow (49%)
- Blue (39%)



- Cyan (10%)
- Magenta (0%)
- Yellow (30%)
- Black (51%)



- Cyan (56%)
- Magenta (51%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8640, 18.8661, 11.8222 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 15.8640, 18.8661, 11.8222 by changing the saturation by 10% instead.

■ 15.8640, 18.8661,
11.8222

■ 15.8640, 18.8661,
11.8222

221.8241,
245.7086, 214.1606

■ 9.5182, 11.5736,
6.5017

■ 35.9213, 41.5077,
29.8304

■ 5.1405, 6.4540,
3.0788

■ 50.3635, 57.6256,
43.3551

■ 2.3655, 3.1231,
1.1350

■ 68.2352, 77.4540,
60.4517

■ 0.8279, 1.1963,
0.0000

■ 89.9018, 101.3774,
81.5386

■ 0.0000, 0.0587,
0.0000

■ 115.7287,
129.7802, 107.0344

■ 0.0000, 0.0000,
0.0000

146.0811,

163.0467, 137.3577

181.3244,
201.5614, 172.9269

■ 15.8640, 18.8661,
11.8222

■ 15.8640, 18.8661,
11.8222

■ 14.9001, 18.4238,
9.3382

■ 16.9394, 19.3569,
14.7739

■ 14.0415, 18.0254,
7.2967

■ 18.1295, 19.8954,
18.2144

■ 13.2833, 17.6698,
5.6719

■ 19.4388, 20.4843,
22.1650

■ 12.6199, 17.3544,
4.4349

■ 20.8714, 21.1252,
26.6454

■ 12.0447, 17.0768,
3.5530

■ 22.4312, 21.8196,
31.6740

■ 11.5502, 16.8339,
2.9883

■ 24.1216, 22.5690,
37.2688

■ 11.1279, 16.6238,
2.6222

■ 25.9462, 23.3747,
43.4465

■ 27.9083, 24.2383,
50.2233

■ 30.0110, 25.1608,
57.6150

Harmonies

Analogous

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



17.8771, 18.8661, 10.6886



15.8640, 18.8661, 11.8222



14.5029, 18.8661, 15.1935

Triad

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



15.8640, 18.8661, 11.8222



15.9513, 18.8661, 32.9625



22.4806, 18.8661, 20.3860

Complementary

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



15.8640, 18.8661, 11.8222



12.2562, 10.9502, 20.8708

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.



21.8622, 18.8661, 27.0180



15.8640, 18.8661, 11.8222



17.9863, 18.8661, 35.1151

Square

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



15.8640, 18.8661, 11.8222



14.5504, 18.8661, 27.3443



20.1716, 18.8661, 32.7487



21.8000, 18.8661, 14.9731

Rectangle

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



15.8640, 18.8661, 11.8222



14.0882, 18.8661, 18.6623



20.1716, 18.8661, 32.7487



22.4173, 18.8661, 22.5438

Sweetspot

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



15.8645, 18.8669, 11.8226



32.7298, 35.7459, 33.4045



14.5836, 13.8591, 10.9235



7.3823, 8.1027, 7.4131



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.



15.8645, 18.8669, 11.8226



27.2686, 33.2615, 18.1992



13.7324, 17.7678, 11.7228



4.5374, 4.9535, 4.6371



11.6061, 17.3455, 2.7363



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.2562, 10.9502, 20.8708



19.7934, 16.8539, 36.9543



14.5005, 12.1072, 20.9758



4.2268, 4.2725, 5.4152



4.7491, 2.0019, 20.3861



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.8640, 18.8661, 11.8222 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 15.8640, 18.8661, 11.8222 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

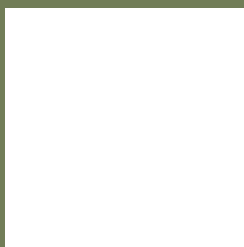
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8640, 18.8661, 11.8222

Background



This preview shows how black text looks on a background with the XYZ color 15.8640, 18.8661, 11.8222.



This preview shows how white text looks on a background with the XYZ color 15.8640, 18.8661,

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

15.8640, 18.8661, 11.8222

Protanopia

17.5621, 18.8346, 11.3042

Deuteranopia

19.0892, 18.7335, 12.0610



Tritanopia

18.2867, 18.9399, 23.4608

Trichromacy



Original Color

15.8640, 18.8661, 11.8222

Protanomaly

16.9514, 18.8760, 11.5541

Deuteranomaly

17.7184, 18.7235, 11.9127

Tritanomaly

17.3329, 18.9159, 18.6572

Monochromacy



Original Color

15.8640, 18.8661, 11.8222

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.5204, 18.1866, 16.2753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8640, 18.8661, 11.8222 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(113, 125, 87)` looks like.

```
.text, #text, p{  
    color:rgb(113, 125, 87)  
}
```

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(113, 125, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 125, 87) }
```

Border

The CSS property to change the border of an element to XYZ 15.8640, 18.8661, 11.8222 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(113, 125, 87) }
```


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

```
.border{ border-color:rgb(113, 125, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 125, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 125, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 125, 87);  
box-shadow:4px 4px 4px 4px rgb(113, 125,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8640, 18.8661, 11.8222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 125, 87) }
```

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

```
.background{ background-color: rgb(113,  
125, 87) }
```

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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