

Converting Colors

XYZ(15.6654, 18.7748, 16.5771)

Have a look what the booklet for
XYZ(15.6654, 18.7748, 16.5771)
contains.

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Color

**XYZ(15.7082, 18.8668,
16.7237)**

Conversions

Conversions Part 1

Format	Color
Hex	677E6B
RGB	103, 126, 107
RGB Percent	40%, 49%, 42%
CMY	0.5961, 0.5059, 0.5804
CMYK	0.18, 0.00, 0.15, 0.51
HSL	130°, 10%, 45%
HSV	130°, 18%, 49%
XYZ	15.7082, 18.8668, 16.7237
YIQ	116.9570, -7.6090, -10.7850

Conversions

Conversions Part 2

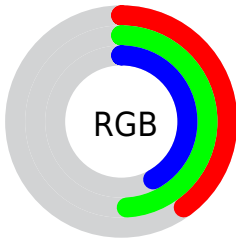
Format	Color
R _Y B	103, 123, 126
Decimal	6782571
CIE Lab	50.53, -12.38, 7.60
CIE LCh	51, 14.530, 148.458
Yxy	18.8668, 0.3062, 0.3678
Android (android.graphics.Color)	4284972651 (0xFF677E6B)
YUV	116.9570, -4.9088, -12.2403
Hunter-Lab	43.4359, -11.4600, 7.5773

Details

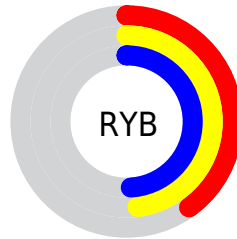
The XYZ color **15.7082, 18.8668, 16.7237** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.9679, 15.5417, 20.5186**, and the grayscale version is **16.9120, 17.7928, 19.3763**.

A 20% lighter version of the original color is **35.6181, 41.5788, 38.4960**, and **5.1004, 6.4748, 5.2559** is the 20% darker color. If you saturate the color by 10%, you get **13.8554, 17.9717, 13.9485**, and if you desaturate by 10%, it is **17.8458, 19.9022, 19.8572**.

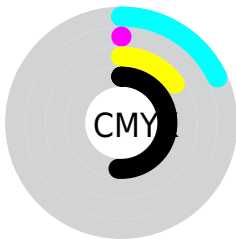
Distribution



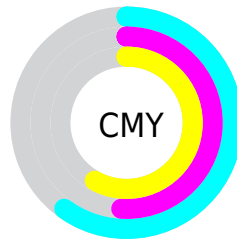
- Red (40%)
- Green (49%)
- Blue (42%)



- Red (40%)
- Yellow (48%)
- Blue (49%)



- Cyan (18%)
- Magenta (0%)
- Yellow (15%)
- Black (51%)



- Cyan (60%)
- Magenta (51%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7082, 18.8668, 16.7237 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 15.7082, 18.8668, 16.7237 by changing the saturation by 10% instead.

■ 15.7082, 18.8668,
16.7237

■ 15.7082, 18.8668,
16.7237

220.9181,
245.7124, 245.5649

■ 9.4074, 11.5741,
9.8778

■ 35.6524, 41.5089,
38.6342

■ 5.0671, 6.4544,
5.2135

■ 50.0266, 57.6271,
54.5360

■ 2.3219, 3.1233,
2.3121

■ 67.8227, 77.4558,
74.2934

■ 0.8058, 1.1964,
0.7380

■ 89.4059, 101.3796,
98.3250

■ 0.0000, 0.0588,
0.0000

115.1417,
129.7827, 127.0495

■ 0.0000, 0.0000,
0.0000

145.3954,

163.0497, 160.8852

180.5324,
201.5648, 200.2509

■ 15.7082, 18.8668,
16.7237

■ 15.7082, 18.8668,
16.7237

■ 13.8554, 17.9717,
13.9485

■ 17.8458, 19.9022,
19.8572

■ 12.2739, 17.2086,
11.5176

■ 20.2780, 21.0810,
23.3599

■ 10.9511, 16.5718,
9.4180

■ 23.0159, 22.4093,
27.2436

■ 9.8732, 16.0544,
7.6352

■ 26.0699, 23.8922,
31.5195

■ 9.0248, 15.6490,
6.1539

■ 29.4495, 25.5344,
36.1980

■ 8.3888, 15.3469,
4.9574

■ 33.1640, 27.3405,
41.2894

■ 7.9457, 15.1386,
4.0272

■ 37.2223, 29.3148,
46.8034

■ 7.6508, 15.0015,
3.3419

■ 41.6331, 31.4616,
52.7496

■ 7.6052, 14.9800,
3.2453

■ 46.4045, 33.7849,
59.1370

Harmonies

Analogous

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



16.6646, 18.8668, 14.4157



15.7082, 18.8668, 16.7237



15.3433, 18.8668, 20.3333

Triad

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



15.7082, 18.8668, 16.7237



17.8591, 18.8668, 29.3759



20.4370, 18.8668, 17.0430

Complementary

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



15.7082, 18.8668, 16.7237



16.9679, 15.5417, 20.5186

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.



20.7974, 18.8668, 20.7536



15.7082, 18.8668, 16.7237



19.2628, 18.8668, 28.1984

Square

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



15.7082, 18.8668, 16.7237



16.5439, 18.8668, 27.9396



20.3571, 18.8668, 24.9030



19.3963, 18.8668, 14.5822

Rectangle

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



15.7082, 18.8668, 16.7237



15.4691, 18.8668, 23.1147



20.3571, 18.8668, 24.9030



20.6441, 18.8668, 18.1691

Sweetspot

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



15.7087, 18.8676, 16.7241



32.6977, 35.6539, 36.8153



17.9594, 20.0517, 15.7559



7.3832, 8.0836, 8.2956



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.



15.7087, 18.8676, 16.7241



26.2004, 32.5087, 27.2805



16.3448, 19.1220, 20.0737



4.3042, 4.8300, 4.7732



7.8006, 15.3668, 3.3229



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.9679, 15.5417, 20.5186



28.8549, 25.4958, 35.2788



16.3059, 15.2769, 17.0326



4.4671, 4.4000, 5.2641



11.3936, 5.5771, 13.9284



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.7082, 18.8668, 16.7237 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 15.7082, 18.8668, 16.7237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

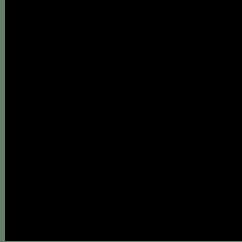
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

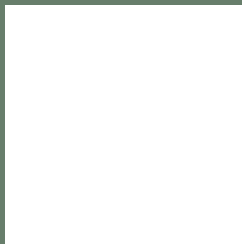
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7082, 18.8668, 16.7237

Background



This preview shows how black text looks on a background with the XYZ color 15.7082, 18.8668, 16.7237.

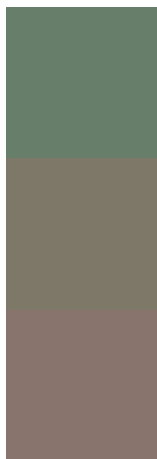


This preview shows how white text looks on a background with the XYZ color 15.7082, 18.8668,

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

15.7082, 18.8668, 16.7237

Protanopia

17.8193, 18.8680, 15.7994

Deuteranopia

19.1591, 18.8291, 17.0926



Tritanopia

17.1878, 18.7108, 24.5354

Trichromacy



Original Color

15.7082, 18.8668, 16.7237

Protanomaly

16.9805, 18.7905, 16.0966

Deuteranomaly

17.7354, 18.8007, 16.8815

Tritanomaly

16.6020, 18.6601, 21.4656

Monochromacy



Original Color

15.7082, 18.8668, 16.7237

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.3792, 18.0699, 18.2474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7082, 18.8668, 16.7237 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(103, 126, 107)` looks like.

```
.text, #text, p{  
    color:rgb(103, 126, 107)  
}
```

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(103, 126, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 126, 107) }
```

Border

The CSS property to change the border of an element to XYZ 15.7082, 18.8668, 16.7237 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(103, 126, 107) }
```


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

```
.border{ border-color:rgb(103, 126, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 126, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 126, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 126, 107);  
box-shadow:4px 4px 4px 4px rgb(103, 126,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7082, 18.8668, 16.7237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 126, 107) }
```

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

```
.background{ background-color: rgb(103,  
126, 107) }
```

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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