

Converting Colors

XYZ(14.8867, 16.6892, 17.8962)

Have a look what the booklet for
XYZ(14.8867, 16.6892, 17.8962)
contains.

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Color

**XYZ(14.7635, 16.5442,
17.7445)**

Conversions

Conversions Part 1

Format	Color
Hex	677470
RGB	103, 116, 112
RGB Percent	40%, 45%, 44%
CMY	0.5961, 0.5451, 0.5608
CMYK	0.11, 0.00, 0.03, 0.55
HSL	162°, 6%, 43%
HSV	162°, 11%, 45%
XYZ	14.7635, 16.5442, 17.7445
YIQ	111.6570, -6.4640, -4.0000

Conversions

Conversions Part 2

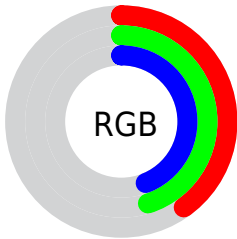
Format	Color
R _Y B	103, 111, 116
Decimal	6780016
CIE Lab	47.68, -5.71, 0.55
CIE LCh	48, 5.738, 174.500
Yxy	16.5442, 0.3010, 0.3373
Android (android.graphics.Color)	4284970096 (0xFF677470)
YUV	111.6570, 0.1691, -7.5922
Hunter-Lab	40.6746, -6.3910, 2.6066

Details

The XYZ color **14.7635, 16.5442, 17.7445** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7071, 14.4754, 15.9294**, and the grayscale version is **15.3019, 16.0988, 17.5316**.

A 20% lighter version of the original color is **34.0299, 37.5556, 40.5774**, and **4.6234, 5.3452, 5.6385** is the 20% darker color. If you saturate the color by 10%, you get **13.3294, 15.8279, 16.6604**, and if you desaturate by 10%, it is **16.3910, 17.3603, 18.8795**.

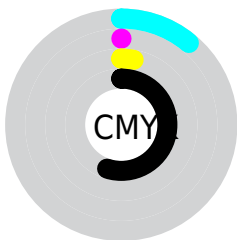
Distribution



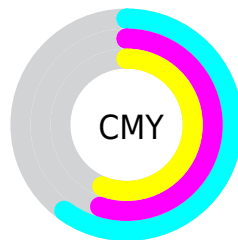
- Red (40%)
- Green (45%)
- Blue (44%)



- Red (40%)
- Yellow (44%)
- Blue (45%)



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (55%)



- Cyan (60%)
- Magenta (55%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7635, 16.5442, 17.7445 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 14.7635, 16.5442, 17.7445 by changing the saturation by 10% instead.

■ 14.7635, 16.5442,
17.7445

■ 14.7635, 16.5442,
17.7445

215.3471,
232.5319, 251.6145

■ 8.7388, 9.9101,
10.5992

■ 34.0128, 37.5404,
40.4095

■ 4.6269, 5.3394,
5.6872

■ 47.9682, 52.6713,
56.7663

■ 2.0626, 2.4477,
2.5902

■ 65.2978, 71.4032,
77.0306

■ 0.6687, 0.8503,
0.8874

■ 86.3670, 94.1205,
101.6210

■ 0.0000, 0.0000,
0.0000

111.5412,
121.2076, 130.9561

141.1857,

153.0490, 165.4543

175.6659,
190.0289, 205.5343

■ 14.7635, 16.5442,
17.7445

■ 14.7635, 16.5442,
17.7445

■ 13.3294, 15.8279,
16.6604

■ 16.3910, 17.3603,
18.8795

■ 12.0797, 15.2053,
15.6253

■ 18.2179, 18.2777,
20.0651

■ 11.0068, 14.6728,
14.6386

■ 20.2512, 19.3006,
21.3025

■ 10.1017, 14.2261,
13.6995

■ 22.4977, 20.4325,
22.5924

■ 9.3550, 13.8601,
12.8071

■ 24.9634, 21.6764,
23.9354

■ 8.7560, 13.5695,
11.9603

■ 27.6543, 23.0355,
25.3325

■ 8.2928, 13.3480,
11.1581

■ 30.5763, 24.5127,
26.7842

■ 7.9517, 13.1886,
10.3993

■ 33.7346, 26.1109,
28.2911

■ 7.7048, 13.0751,
9.7653

■ 37.1348, 27.8327,
29.8541

Harmonies

Analogous

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



14.9356, 16.5442, 16.4231



14.7635, 16.5442, 17.7445



14.8444, 16.5442, 19.2105

Triad

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



14.7635, 16.5442, 17.7445



16.1372, 16.5442, 20.7078



16.3044, 16.5442, 15.8111

Complementary

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



14.7635, 16.5442, 17.7445



14.7071, 14.4754, 15.9294

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.



16.6392, 16.5442, 16.8679



14.7635, 16.5442, 17.7445



16.5413, 16.5442, 19.7040

Square

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



14.7635, 16.5442, 17.7445



15.6304, 16.5442, 20.9737



16.7269, 16.5442, 18.2859



15.8195, 16.5442, 15.3464

Rectangle

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



14.7635, 16.5442, 17.7445



15.0319, 16.5442, 20.0666



16.7269, 16.5442, 18.2859



16.4386, 16.5442, 16.1060

Sweetspot

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



14.7640, 16.5449, 17.7449



28.2507, 30.2336, 32.8060



14.7715, 16.6038, 15.2584



6.6893, 7.1874, 7.7920



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.7640, 16.5449, 17.7449



25.3886, 28.8000, 30.7792



14.7205, 16.0935, 18.8544



3.7376, 4.1370, 4.4522



8.6377, 14.6691, 10.9140



41.6961, 71.3257, 51.0982

Inverse Universe

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



14.7071, 14.4754, 15.9294



25.2714, 24.5339, 27.0371



14.7418, 14.8741, 14.9261



3.7261, 3.7177, 4.0843



8.4274, 4.3047, 2.1928



40.7250, 20.8401, 8.8812

Previews

White Background



This preview shows how the XYZ color 14.7635, 16.5442, 17.7445 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 14.7635, 16.5442, 17.7445 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

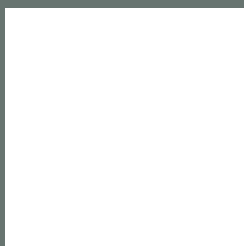
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7635, 16.5442, 17.7445

Background



This preview shows how black text looks on a background with the XYZ color 14.7635, 16.5442, 17.7445.



This preview shows how white text looks on a background with the XYZ color 14.7635, 16.5442,

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

14.7635, 16.5442, 17.7445

Protanopia

15.8111, 16.4271, 17.0893

Deuteranopia

16.7615, 16.4146, 17.9077



Tritanopia

15.4182, 16.4679, 21.1049

Trichromacy



Original Color

14.7635, 16.5442, 17.7445

Protanomaly

15.3299, 16.3375, 17.3844

Deuteranomaly

15.9773, 16.4936, 17.9643

Tritanomaly

15.1694, 16.5364, 19.8451

Monochromacy



Original Color

14.7635, 16.5442, 17.7445

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.1364, 16.2313, 17.6644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7635, 16.5442, 17.7445 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, 116, 112)` looks like.

```
.text, #text, p{  
    color:rgb(103, 116, 112)  
}
```

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, 116, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 116, 112) }
```

Border

The CSS property to change the border of an element to XYZ 14.7635, 16.5442, 17.7445 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, 116, 112) }
```


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

```
.border{ border-color:rgb(103, 116, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 116, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 116, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 116, 112);  
box-shadow:4px 4px 4px 4px rgb(103, 116,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7635, 16.5442, 17.7445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 116, 112) }
```

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

```
.background{ background-color: rgb(103,  
116, 112) }
```

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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