

Converting Colors

XYZ(15.1415, 17.0725, 10.4799)

Have a look what the booklet for
XYZ(15.1415, 17.0725, 10.4799)
contains.

XYZ(15.0867, 17.0448, 10.4775)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.0867, 17.0448,
10.4775)**

Conversions

Conversions Part 1

Format	Color
Hex	747552
RGB	116, 117, 82
RGB Percent	45%, 46%, 32%
CMY	0.5451, 0.5412, 0.6784
CMYK	0.01, 0.00, 0.30, 0.54
HSL	62°, 18%, 39%
HSV	62°, 30%, 46%
XYZ	15.0867, 17.0448, 10.4775
YIQ	112.7110, 10.6390, -11.0970

Conversions

Conversions Part 2

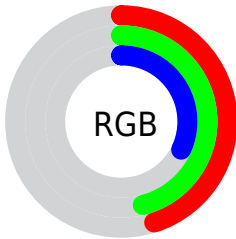
Format	Color
R_{YB}	82, 117, 83
Decimal	7632210
CIE _{Lab}	48.32, -6.51, 19.24
CIE _{LCh}	48, 20.311, 108.679
Yxy	17.0448, 0.3541, 0.4000
Android (android.graphics.Color)	4285822290 (0xFF747552)
YUV	112.7110, -15.1405, 2.8845
Hunter-Lab	41.2853, -7.0210, 13.8530

Details

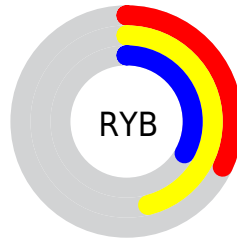
The XYZ color **15.0867, 17.0448, 10.4775** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.7962, 9.1585, 18.0821**, and the grayscale version is **15.6520, 16.4671, 17.9327**.

A 20% lighter version of the original color is **34.5013, 38.3667, 27.4169**, and **4.7768, 5.5831, 2.5761** is the 20% darker color. If you saturate the color by 10%, you get **14.6346, 16.8594, 8.3272**, and if you desaturate by 10%, it is **15.6158, 17.2622, 13.0285**.

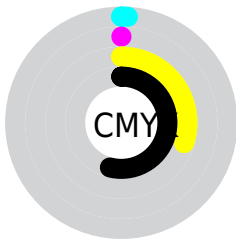
Distribution



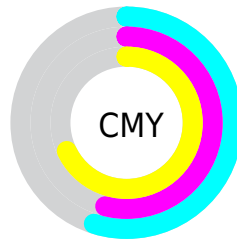
- Red (45%)
- Green (46%)
- Blue (32%)



- Red (32%)
- Yellow (46%)
- Blue (33%)



- Cyan (1%)
- Magenta (0%)
- Yellow (30%)
- Black (54%)



- Cyan (55%)
- Magenta (54%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0867, 17.0448, 10.4775 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 15.0867, 17.0448, 10.4775 by changing the saturation by 10% instead.

■ 15.0867, 17.0448,
10.4775

■ 15.0867, 17.0448,
10.4775

217.2684,
235.4304, 204.6540

■ 8.9670, 10.2664,
5.6070

■ 34.5756, 38.4028,
27.3116

■ 4.7766, 5.5760,
2.5427

■ 48.6755, 53.7512,
40.1122

■ 2.1502, 2.5890,
0.8627

■ 66.1662, 72.7251,
56.3932

■ 0.7163, 0.9211,
0.0000

■ 87.4129, 95.7088,
76.5733

■ 0.0000, 0.0000,
0.0000

■ 112.7812,
123.0869, 101.0708

142.6363,

155.2435, 130.3044

177.3436,
192.5632, 164.6926

■ 15.0867, 17.0448,
10.4775

■ 15.0867, 17.0448,
10.4775

■ 14.6346, 16.8594,
8.3272

■ 15.6158, 17.2622,
13.0285

■ 14.2543, 16.7022,
6.5561

■ 16.2242, 17.5107,
15.9980

■ 13.9421, 16.5722,
5.1427

■ 16.9156, 17.7925,
19.4039

■ 13.6933, 16.4676,
4.0626

■ 17.6932, 18.1087,
23.2630

■ 13.5028, 16.3863,
3.2883

■ 18.5600, 18.4607,
27.5909

■ 13.3645, 16.3259,
2.7883

■ 19.5188, 18.8495,
32.4027

■ 13.2563, 16.2776,
2.4461

■ 20.5725, 19.2762,
37.7128

■ 13.2554, 16.2772,
2.4432

■ 21.7235, 19.7419,
43.5348

■ 22.9744, 20.2476,
49.8821

Harmonies

Analogous

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



16.9097, 17.0448, 10.2478



15.0867, 17.0448, 10.4775



13.6708, 17.0448, 12.6070

Triad

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



15.0867, 17.0448, 10.4775



13.9614, 17.0448, 27.3196



19.9489, 17.0448, 20.6336

Complementary

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



15.0867, 17.0448, 10.4775



9.7962, 9.1585, 18.0821

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.



19.0247, 17.0448, 26.1394



15.0867, 17.0448, 10.4775



15.5116, 17.0448, 30.4618

Square

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



15.0867, 17.0448, 10.4775



13.0560, 17.0448, 22.0203



17.3680, 17.0448, 29.9928



19.8134, 17.0448, 15.4807

Rectangle

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



15.0867, 17.0448, 10.4775



13.1047, 17.0448, 15.0925



17.3680, 17.0448, 29.9928



19.7492, 17.0448, 22.5191

Sweetspot

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



15.0871, 17.0456, 10.4779



29.1307, 31.3872, 29.0373



11.9212, 10.5145, 9.3841



6.6661, 7.2036, 6.5215



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.



15.0871, 17.0456, 10.4779



26.4327, 30.2824, 15.9874



13.0215, 15.9807, 10.3812



3.9568, 4.2612, 3.9562



14.6014, 17.9316, 2.6916



71.0247, 87.3164, 13.1103

Inverse Universe

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



9.7962, 9.1585, 18.0821



15.3103, 13.7012, 31.9746



11.4935, 10.0334, 18.1615



3.5094, 3.5944, 4.5991



3.5816, 1.4377, 18.6313



17.3293, 6.9421, 90.7869

Previews

White Background



This preview shows how the XYZ color 15.0867, 17.0448, 10.4775 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 15.0867, 17.0448, 10.4775 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

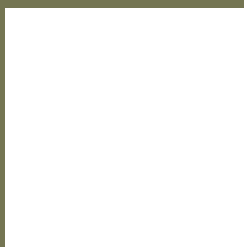
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.0867, 17.0448, 10.4775

Background



This preview shows how black text looks on a background with the XYZ color 15.0867, 17.0448, 10.4775.



This preview shows how white text looks on a background with the XYZ color 15.0867, 17.0448,

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

15.0867, 17.0448, 10.4775

Protanopia

15.9281, 17.1406, 10.2536

Deuteranopia

17.3295, 17.0262, 10.7605



Tritanopia

17.1305, 17.0338, 20.4741

Trichromacy



Original Color

15.0867, 17.0448, 10.4775

Protanomaly

15.6158, 17.1498, 10.2718

Deuteranomaly

16.5197, 17.1019, 10.6139

Tritanomaly

16.2789, 17.0181, 16.3367

Monochromacy



Original Color

15.0867, 17.0448, 10.4775

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.3550, 16.5713, 14.9597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0867, 17.0448, 10.4775 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(116, 117, 82)` looks like.

```
.text, #text, p{  
    color:rgb(116, 117, 82)  
}
```

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(116, 117, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 117, 82) }
```

Border

The CSS property to change the border of an element to XYZ 15.0867, 17.0448, 10.4775 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(116, 117, 82) }
```


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

```
.border{ border-color:rgb(116, 117, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 117, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 117, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 117, 82);  
box-shadow:4px 4px 4px 4px rgb(116, 117,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0867, 17.0448, 10.4775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 117, 82) }
```

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

```
.background{ background-color: rgb(116,  
117, 82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor