

Converting Colors

XYZ(15.8051, 17.0923, 14.1535)

Have a look what the booklet for
XYZ(15.8051, 17.0923, 14.1535)
contains.

XYZ(15.8336, 17.1735, 14.2847)	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(15.8336, 17.1735,
14.2847)**

Conversions

Conversions Part 1

Format	Color
Hex	757463
RGB	117, 116, 99
RGB Percent	46%, 45%, 39%
CMY	0.5412, 0.5451, 0.6118
CMYK	0.00, 0.01, 0.15, 0.54
HSL	57°, 8%, 42%
HSV	57°, 15%, 46%
XYZ	15.8336, 17.1735, 14.2847
YIQ	114.3610, 6.0530, -5.0750

Conversions

Conversions Part 2

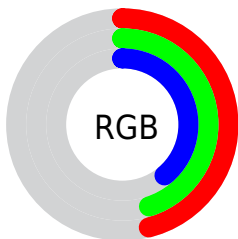
Format	Color
R_{YB}	100, 117, 99
Decimal	7697507
CIE Lab	48.48, -2.81, 9.54
CIE LCh	48, 9.948, 106.380
Yxy	17.1735, 0.3348, 0.3631
Android (android.graphics.Color)	4285887587 (0xFF757463)
YUV	114.3610, -7.5730, 2.3144
Hunter-Lab	41.4409, -4.3210, 8.5714

Details

The XYZ color **15.8336, 17.1735, 14.2847** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9136, 13.0511, 18.6682**, and the grayscale version is **16.1238, 16.9635, 18.4733**.

A 20% lighter version of the original color is **35.8698, 38.6423, 34.4223**, and **5.1412, 5.6474, 4.0679** is the 20% darker color. If you saturate the color by 10%, you get **15.2400, 16.8175, 11.5243**, and if you desaturate by 10%, it is **16.5097, 17.5645, 17.4729**.

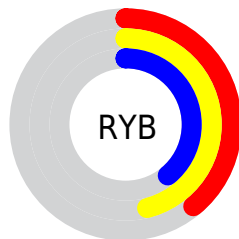
Distribution



Red (46%)

Green (45%)

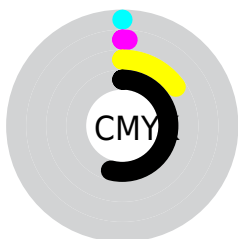
Blue (39%)



Red (39%)

Yellow (46%)

Blue (39%)

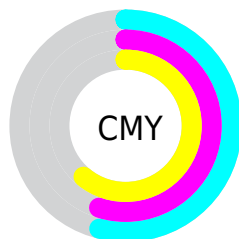


Cyan (0%)

Magenta (1%)

Yellow (15%)

Black (54%)



Cyan (54%)

Magenta (55%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8336, 17.1735, 14.2847 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 15.8336, 17.1735, 14.2847 by changing the saturation by 10% instead.

■ 15.8336, 17.1735,
14.2847

■ 15.8336, 17.1735,
14.2847

221.6476,
236.1702, 230.4845

■ 9.4966, 10.3583,
8.1779

■ 35.8689, 38.6238,
34.3177

■ 5.1262, 5.6371,
4.1196

■ 50.2978, 54.0277,
49.0810

■ 2.3570, 2.6257,
1.6912

■ 68.1548, 73.0633,
67.5670

■ 0.8236, 0.9396,
0.3547

■ 89.8052, 96.1150,
90.1940

■ 0.0000, 0.0000,
0.0000

115.6143,
123.5671, 117.3808

145.9475,

155.8041, 149.5458

181.1701,
193.2103, 187.1075

■ 15.8336, 17.1735,
14.2847

■ 15.8336, 17.1735,
14.2847

■ 15.2400, 16.8175,
11.5243

■ 16.5097, 17.5645,
17.4729

■ 14.7241, 16.4928,
9.1724

■ 17.2701, 17.9895,
21.1050

■ 14.2826, 16.1987,
7.2096

■ 18.1186, 18.4505,
25.1976

■ 13.9115, 15.9336,
5.6149

■ 19.0578, 18.9487,
29.7661

■ 13.6063, 15.6957,
4.3649

■ 20.0908, 19.4853,
34.8252

■ 13.3622, 15.4830,
3.4338

■ 21.2200, 20.0611,
40.3890

■ 13.1735, 15.2934,
2.7921

■ 22.4482, 20.6774,
46.4709

■ 13.0302, 15.1227,
2.3873

■ 23.7777, 21.3351,
53.0840

■ 12.9681, 15.0458,
2.2206

■ 25.2110, 22.0351,
60.2408

Harmonies

Analogous

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



16.7391, 17.1735, 14.2325



15.8336, 17.1735, 14.2847



15.0866, 17.1735, 15.4454

Triad

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



15.8336, 17.1735, 14.2847



15.1433, 17.1735, 22.5734



18.0863, 17.1735, 19.9062

Complementary

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



15.8336, 17.1735, 14.2847



12.9136, 13.0511, 18.6682

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.



17.6249, 17.1735, 22.3801



15.8336, 17.1735, 14.2847



15.9136, 17.1735, 24.0141

Square

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



15.8336, 17.1735, 14.2847



14.6984, 17.1735, 20.1506



16.8222, 17.1735, 23.9402



18.0629, 17.1735, 17.3189

Rectangle

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



15.8336, 17.1735, 14.2847



14.7691, 17.1735, 16.7590



16.8222, 17.1735, 23.9402



17.9820, 17.1735, 20.7832

Sweetspot

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



15.8341, 17.1743, 14.2851



29.5967, 31.4714, 31.4445



14.1081, 13.6298, 13.9949



6.7885, 7.2266, 7.1526



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.



15.8341, 17.1743, 14.2851



28.0111, 30.5509, 23.9770



14.9449, 16.8874, 14.2766



3.9501, 4.2332, 3.9512



14.2843, 16.5698, 2.4454



69.3995, 80.3276, 11.8470

Inverse Universe

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



12.9136, 13.0511, 18.6682



21.8621, 21.8697, 33.2060



13.7123, 13.3217, 18.6783



3.5154, 3.6195, 4.6036



3.6113, 1.5623, 18.6538



17.3946, 7.2058, 90.8343

Previews

White Background



This preview shows how the XYZ color 15.8336, 17.1735, 14.2847 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 15.8336, 17.1735, 14.2847 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

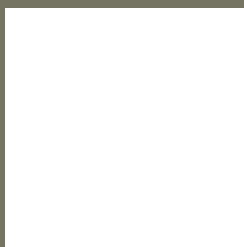
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8336, 17.1735, 14.2847

Background



This preview shows how black text looks on a background with the XYZ color 15.8336, 17.1735, 14.2847.

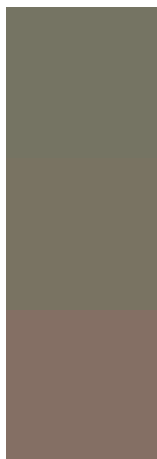


This preview shows how white text looks on a background with the XYZ color 15.8336, 17.1735,

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

15.8336, 17.1735, 14.2847

Protanopia

16.2205, 17.2083, 14.0219

Deuteranopia

17.5004, 17.1945, 14.4531



Tritanopia

17.1637, 17.2085, 20.8293

Trichromacy



Original Color

15.8336, 17.1735, 14.2847

Protanomaly

16.0811, 17.1364, 14.0154

Deuteranomaly

16.9578, 17.2424, 14.4909

Tritanomaly

16.6623, 17.1715, 18.3558

Monochromacy



Original Color

15.8336, 17.1735, 14.2847

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.9613, 17.0104, 16.9101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8336, 17.1735, 14.2847 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, 116, 99)` looks like.

```
.text, #text, p{  
    color:rgb(117, 116, 99)  
}
```

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, 116, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 116, 99) }
```

Border

The CSS property to change the border of an element to XYZ 15.8336, 17.1735, 14.2847 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, 116, 99) }
```


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

```
.border{ border-color:rgb(117, 116, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 116, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 116, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 116, 99);  
box-shadow:4px 4px 4px 4px rgb(117, 116,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8336, 17.1735, 14.2847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 116, 99) }
```

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

```
.background{ background-color: rgb(117,  
116, 99) }
```

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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