

Converting Colors

XYZ(15.8543, 17.0146, 14.8099)

Have a look what the booklet for
XYZ(15.8543, 17.0146, 14.8099)
contains.

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Color

**XYZ(15.8158, 16.9830,
14.7564)**

Conversions

Conversions Part 1

Format	Color
Hex	757365
RGB	117, 115, 101
RGB Percent	46%, 45%, 40%
CMY	0.5412, 0.5490, 0.6039
CMYK	0.00, 0.02, 0.14, 0.54
HSL	53°, 7%, 43%
HSV	53°, 14%, 46%
XYZ	15.8158, 16.9830, 14.7564
YIQ	114.0020, 5.6860, -3.9300

Conversions

Conversions Part 2

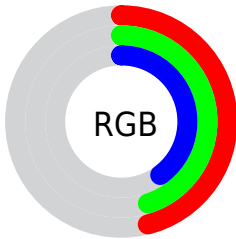
Format	Color
R_{YB}	103, 117, 101
Decimal	7697253
CIE Lab	48.24, -1.88, 8.02
CIE LCh	48, 8.241, 103.164
Yxy	16.9830, 0.3326, 0.3571
Android (android.graphics.Color)	4285887333 (0xFF757365)
YUV	114.0020, -6.4100, 2.6292
Hunter-Lab	41.2104, -3.6133, 7.6171

Details

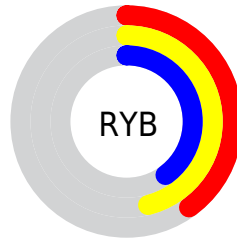
The XYZ color **15.8158, 16.9830, 14.7564** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4279, 13.7512, 18.7762**, and the grayscale version is **16.0126, 16.8465, 18.3459**.

A 20% lighter version of the original color is **35.8484, 38.3394, 35.2166**, and **5.1273, 5.5459, 4.2903** is the 20% darker color. If you saturate the color by 10%, you get **15.1179, 16.4401, 11.8941**, and if you desaturate by 10%, it is **16.5989, 17.5654, 18.0503**.

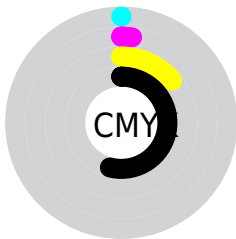
Distribution



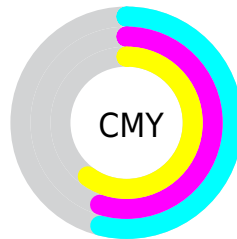
- Red (46%)
- Green (45%)
- Blue (40%)



- Red (40%)
- Yellow (46%)
- Blue (40%)



- Cyan (0%)
- Magenta (2%)
- Yellow (14%)
- Black (54%)



- Cyan (54%)
- Magenta (55%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8158, 16.9830, 14.7564 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 15.8158, 16.9830, 14.7564 by changing the saturation by 10% instead.

■ 15.8158, 16.9830,
14.7564

■ 15.8158, 16.9830,
14.7564

221.5441,
235.0744, 233.4768

■ 9.4839, 10.2224,
8.5039

■ 35.8382, 38.2965,
35.1615

■ 5.1178, 5.5466,
4.3267

■ 50.2594, 53.6182,
50.1512

■ 2.3520, 2.5714,
1.8062

■ 68.1077, 72.5624,
68.8903

■ 0.8211, 0.9123,
0.4320

■ 89.7486, 95.5135,
91.7974

■ 0.0000, 0.0000,
0.0000

115.5473,
122.8558, 119.2911

145.8692,

154.9738, 151.7898

181.0797,
192.2519, 189.7122

■ 15.8158, 16.9830,
14.7564

■ 15.8158, 16.9830,
14.7564

■ 15.1179, 16.4401,
11.8941

■ 16.5989, 17.5654,
18.0503

■ 14.5003, 15.9329,
9.4441

■ 17.4691, 18.1862,
21.7916

■ 13.9599, 15.4608,
7.3874

■ 18.4299, 18.8476,
25.9968

■ 13.4927, 15.0221,
5.7032

■ 19.4841, 19.5506,
30.6812

■ 13.0943, 14.6151,
4.3686

■ 20.6347, 20.2965,
35.8594

■ 12.7599, 14.2378,
3.3583

■ 21.8842, 21.0862,
41.5453

■ 12.4839, 13.8880,
2.6433

■ 23.2352, 21.9209,
47.7523

■ 12.2590, 13.5627,
2.1843

■ 24.6902, 22.8015,
54.4934

■ 12.1267, 13.3631,
1.9402

■ 26.2515, 23.7291,
61.7811

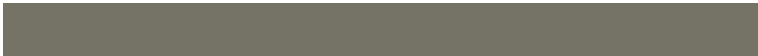
Harmonies

Analogous

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



16.5629, 16.9830, 14.8154



15.8158, 16.9830, 14.7564



15.1758, 16.9830, 15.6412

Triad

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



15.8158, 16.9830, 14.7564



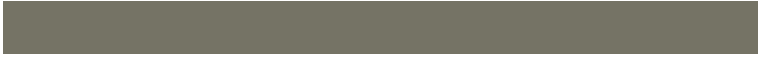
15.1132, 16.9830, 21.4616



17.5611, 16.9830, 19.7131

Complementary

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



15.8158, 16.9830, 14.7564



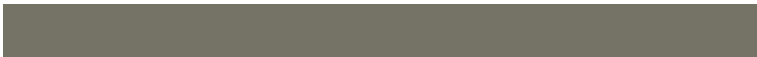
13.4279, 13.7512, 18.7762

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.



17.1480, 16.9830, 21.6688



15.8158, 16.9830, 14.7564



15.7280, 16.9830, 22.7306

Square

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



15.8158, 16.9830, 14.7564



14.7787, 16.9830, 19.4477



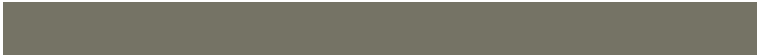
16.4723, 16.9830, 22.8092



17.5864, 16.9830, 17.5674

Rectangle

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



15.8158, 16.9830, 14.7564



14.8896, 16.9830, 16.6900



16.4723, 16.9830, 22.8092



17.4624, 16.9830, 20.4184

Sweetspot

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



15.8163, 16.9837, 14.7568



29.6605, 31.4083, 32.0536



14.4448, 14.0714, 14.8220



6.7982, 7.2058, 7.2795



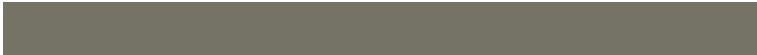
57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



15.8163, 16.9837, 14.7568



27.9650, 30.1396, 24.9456



15.2827, 17.0504, 14.7978



3.9295, 4.1921, 3.9443



13.3534, 14.7081, 2.1351



64.6448, 70.8180, 10.2621

Inverse Universe

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



13.4279, 13.7512, 18.7762



22.9241, 23.3171, 33.4294



13.9121, 13.7095, 18.7426



3.5341, 3.6568, 4.6098



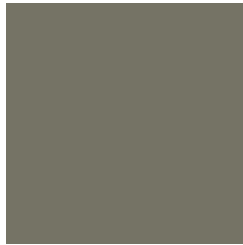
3.7124, 1.7646, 18.6875



17.7346, 7.8857, 90.9477

Previews

White Background



This preview shows how the XYZ color 15.8158, 16.9830, 14.7564 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 15.8158, 16.9830, 14.7564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

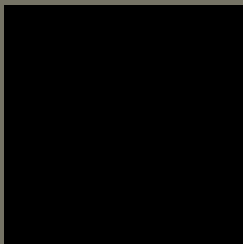
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

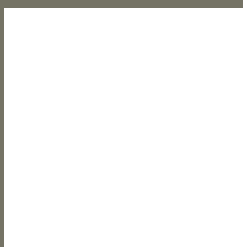
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8158, 16.9830, 14.7564

Background



This preview shows how black text looks on a background with the XYZ color 15.8158, 16.9830, 14.7564.



This preview shows how white text looks on a background with the XYZ color 15.8158, 16.9830,

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

15.8158, 16.9830, 14.7564

Protanopia

16.1120, 16.9673, 14.7377

Deuteranopia

17.1801, 16.8570, 14.9186



Tritanopia

16.9911, 16.9619, 20.4676

Trichromacy



Original Color

15.8158, 16.9830, 14.7564

Protanomaly

15.9740, 16.8962, 14.7313

Deuteranomaly

16.6499, 16.9076, 14.9563

Tritanomaly

16.5501, 16.9471, 18.3184

Monochromacy



Original Color

15.8158, 16.9830, 14.7564

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.8479, 16.7836, 16.8723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8158, 16.9830, 14.7564 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, 115, 101)` looks like.

```
.text, #text, p{  
    color:rgb(117, 115, 101)  
}
```

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, 115, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 115, 101) }
```

Border

The CSS property to change the border of an element to XYZ 15.8158, 16.9830, 14.7564 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, 115, 101) }
```


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

```
.border{ border-color:rgb(117, 115, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 115, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 115, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 115, 101);  
box-shadow:4px 4px 4px 4px rgb(117, 115,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8158, 16.9830, 14.7564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 115, 101) }
```

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

```
.background{ background-color: rgb(117,  
115, 101) }
```

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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