

Converting Colors

XYZ(15.4943, 17.4107, 11.3481)

Have a look what the booklet for
XYZ(15.4943, 17.4107, 11.3481)
contains.

XYZ(15.4943, 17.4107, 11.3481)	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(15.4943, 17.4107,
11.3481)**

Conversions

Conversions Part 1

Format	Color
Hex	757656
RGB	117, 118, 86
RGB Percent	46%, 46%, 34%
CMY	0.5412, 0.5372, 0.6627
CMYK	0.01, 0.00, 0.27, 0.54
HSL	62°, 16%, 40%
HSV	62°, 27%, 46%
XYZ	15.4943, 17.4107, 11.3481
YIQ	114.0530, 9.6760, -10.1640

Conversions

Conversions Part 2

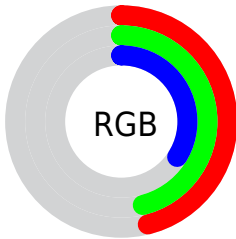
Format	Color
R_{YB}	86, 118, 87
Decimal	7698006
CIE Lab	48.77, -6.06, 17.56
CIE LCh	49, 18.574, 109.037
Yxy	17.4107, 0.3501, 0.3934
Android (android.graphics.Color)	4285888086 (0xFF757656)
YUV	114.0530, -13.8301, 2.5845
Hunter-Lab	41.7261, -6.7377, 13.0834

Details

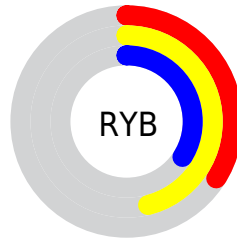
The XYZ color **15.4943, 17.4107, 11.3481** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.5290, 9.9903, 18.5140**, and the grayscale version is **16.0487, 16.8845, 18.3872**.

A 20% lighter version of the original color is **35.1808, 38.9620, 28.9587**, and **4.9571, 5.7625, 2.8585** is the 20% darker color. If you saturate the color by 10%, you get **15.0082, 17.2111, 9.0452**, and if you desaturate by 10%, it is **16.0600, 17.6433, 14.0653**.

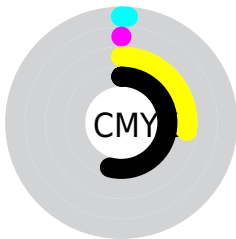
Distribution



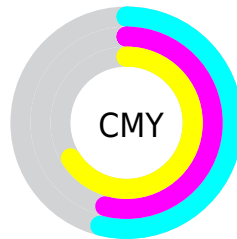
- Red (46%)
- Green (46%)
- Blue (34%)



- Red (34%)
- Yellow (46%)
- Blue (34%)



- Cyan (1%)
- Magenta (0%)
- Yellow (27%)
- Black (54%)



- Cyan (54%)
- Magenta (54%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4943, 17.4107, 11.3481 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 15.4943, 17.4107, 11.3481 by changing the saturation by 10% instead.

■ 15.4943, 17.4107,
11.3481

■ 15.4943, 17.4107,
11.3481

219.6684,
237.5281, 210.8628

■ 9.2556, 10.5277,
6.1844

■ 35.2826, 39.0306,
28.9485

■ 4.9667, 5.7502,
2.8869

■ 49.5629, 54.5363,
42.2223

■ 2.2623, 2.6938,
1.0372

■ 67.2545, 73.6850,
59.0365

■ 0.7753, 0.9741,
0.0000

■ 88.7227, 96.8612,
79.8097

■ 0.0000, 0.0000,
0.0000

■ 114.3328,
124.4492, 104.9603

144.4502,

156.8334, 134.9071

179.4403,
194.3983, 170.0684

■ 15.4943, 17.4107,
11.3481

■ 15.4943, 17.4107,
11.3481

■ 15.0082, 17.2111,
9.0452

■ 16.0600, 17.6433,
14.0653

■ 14.5965, 17.0407,
7.1352

■ 16.7076, 17.9082,
17.2145

■ 14.2555, 16.8987,
5.5964

■ 17.4409, 18.2073,
20.8139

■ 13.9807, 16.7831,
4.4047

■ 18.2630, 18.5419,
24.8802

■ 13.7668, 16.6919,
3.5332

■ 19.1770, 18.9134,
29.4292

■ 13.6080, 16.6227,
2.9507

■ 20.1857, 19.3227,
34.4761

■ 13.4905, 16.5702,
2.5849

■ 21.2920, 19.7711,
40.0353

■ 13.4580, 16.5555,
2.4862

■ 22.4983, 20.2596,
46.1208

■ 23.8073, 20.7891,
52.7458

Harmonies

Analogous

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



17.1844, 17.4107, 11.1050



15.4943, 17.4107, 11.3481



14.1776, 17.4107, 13.4080

Triad

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



15.4943, 17.4107, 11.3481



14.4763, 17.4107, 27.0343



20.0071, 17.4107, 20.8136

Complementary

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



15.4943, 17.4107, 11.3481



10.5290, 9.9903, 18.5140

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.



19.1697, 17.4107, 25.8587



15.4943, 17.4107, 11.3481



15.9282, 17.4107, 29.8419

Square

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



15.4943, 17.4107, 11.3481



13.6185, 17.4107, 22.2129



17.6491, 17.4107, 29.3779



19.8708, 17.4107, 16.0365

Rectangle

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



15.4943, 17.4107, 11.3481



13.6519, 17.4107, 15.7707



17.6491, 17.4107, 29.3779



19.8280, 17.4107, 22.5466

Sweetspot

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



15.4947, 17.4115, 11.3485



29.2457, 31.4334, 29.6316



12.5221, 11.2650, 10.3188



6.6898, 7.2130, 6.6455



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.



15.4947, 17.4115, 11.3485



26.6550, 30.3713, 17.1608



13.5781, 16.4234, 11.2588



3.9559, 4.2607, 3.9562



14.5568, 17.9086, 2.6895



70.7957, 87.1983, 13.0996

Inverse Universe

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



10.5290, 9.9903, 18.5140



16.2711, 14.8518, 32.1461



12.1385, 10.8201, 18.5893



3.5103, 3.5948, 4.5991



3.5857, 1.4398, 18.6315



17.3377, 6.9464, 90.7873

Previews

White Background



This preview shows how the XYZ color 15.4943, 17.4107, 11.3481 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 15.4943, 17.4107, 11.3481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

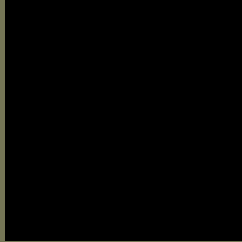
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

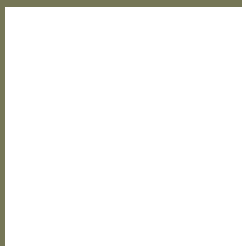
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4943, 17.4107, 11.3481

Background



This preview shows how black text looks on a background with the XYZ color 15.4943, 17.4107, 11.3481.



This preview shows how white text looks on a background with the XYZ color 15.4943, 17.4107,

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

15.4943, 17.4107, 11.3481

Protanopia

16.1973, 17.4317, 11.1053

Deuteranopia

17.5581, 17.2912, 11.4290



Tritanopia

17.4440, 17.3530, 20.8424

Trichromacy



Original Color

15.4943, 17.4107, 11.3481

Protanomaly

15.8861, 17.4434, 11.1240

Deuteranomaly

16.7909, 17.3899, 11.4884

Tritanomaly

16.6368, 17.3587, 16.9417

Monochromacy



Original Color

15.4943, 17.4107, 11.3481

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.6997, 16.9058, 15.5324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4943, 17.4107, 11.3481 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, 118, 86)` looks like.

```
.text, #text, p{  
    color:rgb(117, 118, 86)  
}
```

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, 118, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 118, 86) }
```

Border

The CSS property to change the border of an element to XYZ 15.4943, 17.4107, 11.3481 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, 118, 86) }
```


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

```
.border{ border-color:rgb(117, 118, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 118, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 118, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 118, 86);  
box-shadow:4px 4px 4px 4px rgb(117, 118,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4943, 17.4107, 11.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 118, 86) }
```

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

```
.background{ background-color: rgb(117,  
118, 86) }
```

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