

Converting Colors

XYZ(14.7738, 13.8483, 7.0486)

Have a look what the booklet for
XYZ(14.7738, 13.8483, 7.0486)
contains.

XYZ(14.7738, 13.8483, 7.0486)	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(14.7738, 13.8483,
7.0486)**

Conversions

Conversions Part 1

Format	Color
Hex	846142
RGB	132, 97, 66
RGB Percent	52%, 38%, 26%
CMY	0.4824, 0.6196, 0.7412
CMYK	0.00, 0.27, 0.50, 0.48
HSL	28°, 33%, 39%
HSV	28°, 50%, 52%
XYZ	14.7738, 13.8483, 7.0486
YIQ	103.9310, 30.8110, -2.2210

Conversions

Conversions Part 2

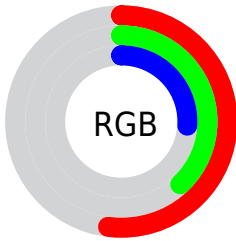
Format	Color
RYB	132, 124, 66
Decimal	8675650
CIELab	44.01, 10.15, 23.17
CIELCh	44, 25.295, 66.336
Yxy	13.8483, 0.4142, 0.3882
Android (android.graphics.Color)	4286865730 (0xFF846142)
YUV	103.9310, -18.7000, 24.6165
Hunter-Lab	37.2133, 5.7418, 14.8191

Details

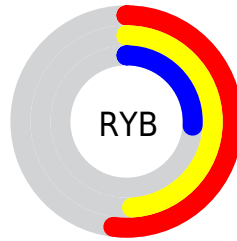
The XYZ color **14.7738, 13.8483, 7.0486** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.0651, 12.1310, 23.5881**, and the grayscale version is **13.1826, 13.8692, 15.1035**.

A 20% lighter version of the original color is **34.1207, 32.9595, 20.4831**, and **4.6369, 4.1311, 1.3120** is the 20% darker color. If you saturate the color by 10%, you get **13.8103, 12.4738, 5.0240**, and if you desaturate by 10%, it is **15.8849, 15.3742, 9.5659**.

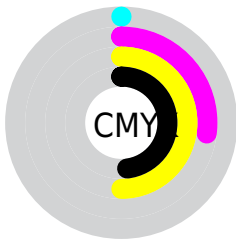
Distribution



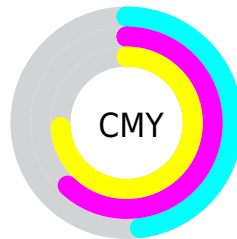
- Red (52%)
- Green (38%)
- Blue (26%)



- Red (52%)
- Yellow (49%)
- Blue (26%)



- Cyan (0%)
- Magenta (27%)
- Yellow (50%)
- Black (48%)





- Cyan (48%)
- Magenta (62%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7738, 13.8483, 7.0486 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 14.7738, 13.8483, 7.0486 by changing the saturation by 10% instead.


 14.7738, 13.8483,
7.0486


 14.7738, 13.8483,
7.0486


215.4086,
216.2850, 177.7132


 8.7461, 8.0152,
3.4136


 34.0308, 32.8196,
20.5854


 4.6317, 4.1047,
1.3095

 47.9908, 46.7267,
31.3244


 2.0653, 1.7323,
0.0696

 65.3255, 64.0938,
45.2684

 0.6703, 0.4444,
0.0000

 86.4004, 85.3055,
62.8360

 0.0000, 0.0000,
0.0000

 111.5808,
110.7460, 84.4457

 141.2321,

140.7999, 110.5161

175.7196,
175.8514, 141.4658

■ 14.7738, 13.8483,
7.0486

■ 14.7738, 13.8483,
7.0486

■ 13.8103, 12.4738,
5.0240

■ 15.8849, 15.3742,
9.5659

■ 12.9856, 11.2433,
3.4579

■ 17.1498, 17.0547,
12.6054

■ 12.2915, 10.1516,
2.3126

■ 18.5752, 18.8951,
16.1953

■ 11.7182, 9.1921,
1.5443

■ 20.1673, 20.9002,
20.3614

■ 11.2387, 8.3515,
1.0197

■ 21.9320, 23.0742,
25.1280

■ 11.2387, 8.3515,
1.0197

■ 23.8746, 25.4212,
30.5179

■ 26.0006, 27.9455,
36.5527

■ 28.3148, 30.6507,
43.2530

■ 30.8221, 33.5408,
50.6384

Harmonies

Analogous

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



16.5243, 13.8483, 9.4295



14.7738, 13.8483, 7.0486



12.7409, 13.8483, 6.5419

Triad

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



14.7738, 13.8483, 7.0486



9.6857, 13.8483, 16.3320



15.5853, 13.8483, 25.8558

Complementary

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



14.7738, 13.8483, 7.0486



11.0651, 12.1310, 23.5881

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.



13.5931, 13.8483, 28.9557



14.7738, 13.8483, 7.0486



10.2905, 13.8483, 22.6255

Square

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



14.7738, 13.8483, 7.0486



9.9331, 13.8483, 11.0612



11.6726, 13.8483, 27.6439



17.0251, 13.8483, 19.9667

Rectangle

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



14.7738, 13.8483, 7.0486



11.5227, 13.8483, 7.1807



11.6726, 13.8483, 27.6439



14.9507, 13.8483, 27.3187

Sweetspot

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



14.7741, 13.8490, 7.0489



33.9911, 34.8946, 31.8219



13.8228, 9.7456, 13.5160



7.7976, 7.9773, 7.1059



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



14.7741, 13.8490, 7.0489



24.1182, 21.6675, 8.4345



18.4551, 21.2110, 8.2759



4.8395, 5.0226, 4.9438



10.8872, 8.0969, 0.9890



0.0449, 0.0425, 0.0058

Inverse Universe

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



11.0651, 12.1310, 23.5881



16.7894, 18.2664, 41.0940



8.4910, 6.9828, 22.7300



4.6236, 4.9229, 5.9073



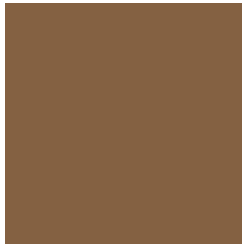
6.1583, 5.8643, 21.9440



0.0286, 0.0349, 0.0785

Previews

White Background



This preview shows how the XYZ color 14.7738, 13.8483, 7.0486 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 14.7738, 13.8483, 7.0486 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 14.7738, 13.8483, 7.0486

Background



This preview shows how black text looks on a background with the XYZ color 14.7738, 13.8483, 7.0486.



This preview shows how white text looks on a background with the XYZ color 14.7738, 13.8483,

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

14.7738, 13.8483, 7.0486

Protanopia

12.8345, 13.8410, 7.6254

Deuteranopia

14.1155, 13.9316, 6.9461



Tritanopia

16.2063, 13.8997, 13.8853

Trichromacy



Original Color

14.7738, 13.8483, 7.0486

Protanomaly

13.4428, 13.7178, 7.4081

Deuteranomaly

14.3181, 13.8945, 6.9283

Tritanomaly

15.5957, 13.7783, 11.0700

Monochromacy



Original Color

14.7738, 13.8483, 7.0486

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.4386, 13.6230, 11.5941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7738, 13.8483, 7.0486 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(132, 97, 66)` looks like.

```
.text, #text, p{  
    color:rgb(132, 97, 66)  
}
```

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(132, 97, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 97, 66) }
```

Border

The CSS property to change the border of an element to XYZ 14.7738, 13.8483, 7.0486 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(132, 97, 66) }
```


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

```
.border{ border-color:rgb(132, 97, 66) }
```

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

Here you see how a box with a 4 pixel rgb(132, 97, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 97, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 97, 66);  
box-shadow:4px 4px 4px 4px rgb(132, 97,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7738, 13.8483, 7.0486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 97, 66) }
```

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

```
.background{ background-color: rgb(132, 97,  
66) }
```

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