

Converting Colors

XYZ(13.7633, 14.7437, 9.7729)

Have a look what the booklet for
XYZ(13.7633, 14.7437, 9.7729)
contains.

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Color

**XYZ(13.7759, 14.7394,
9.7083)**

Conversions

Conversions Part 1

Format	Color
Hex	736B50
RGB	115, 107, 80
RGB Percent	45%, 42%, 31%
CMY	0.5490, 0.5804, 0.6863
CMYK	0.00, 0.07, 0.30, 0.55
HSL	46°, 18%, 38%
HSV	46°, 30%, 45%
XYZ	13.7759, 14.7394, 9.7083
YIQ	106.3140, 13.4350, -6.7010

Conversions

Conversions Part 2

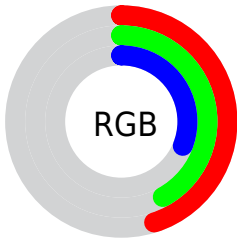
Format	Color
R_{YB}	90, 115, 80
Decimal	7564112
CIE Lab	45.28, -1.48, 16.30
CIE LCh	45, 16.364, 95.173
Yxy	14.7394, 0.3604, 0.3856
Android (android.graphics.Color)	4285754192 (0xFF736B50)
YUV	106.3140, -12.9728, 7.6176
Hunter-Lab	38.3919, -3.1360, 11.8815

Details

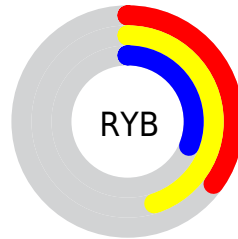
The XYZ color **13.7759, 14.7394, 9.7083** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.8924, 9.9225, 17.6136**, and the grayscale version is **13.8180, 14.5376, 15.8315**.

A 20% lighter version of the original color is **32.1257, 34.2542, 25.6874**, and **4.1660, 4.5113, 2.2413** is the 20% darker color. If you saturate the color by 10%, you get **13.1172, 14.0447, 7.5689**, and if you desaturate by 10%, it is **14.5165, 15.4812, 12.2343**.

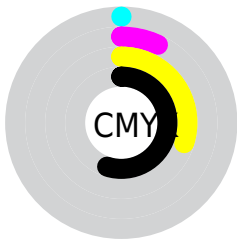
Distribution



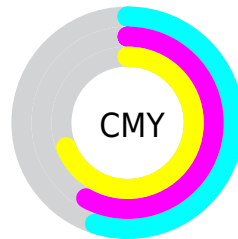
- Red (45%)
- Green (42%)
- Blue (31%)



- Red (35%)
- Yellow (45%)
- Blue (31%)



- Cyan (0%)
- Magenta (7%)
- Yellow (30%)
- Black (55%)





- Cyan (55%)
- Magenta (58%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7759, 14.7394, 9.7083 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 13.7759, 14.7394, 9.7083 by changing the saturation by 10% instead.


 13.7759, 14.7394,
9.7083


 13.7759, 14.7394,
9.7083


209.3708,
221.7834, 198.9859


 8.0456, 8.6367,
5.1029


 32.2805, 34.3954,
25.8446

 4.1762, 4.5050,
2.2480

 45.7855, 48.7174,
38.2125

 1.8023, 1.9599,
0.7019

 62.6127, 66.5480,
54.0051

 0.5191, 0.5840,
0.0000

 83.1277, 88.2716,
73.6408

 0.0000, 0.0000,
0.0000

 107.6956,
114.2725, 97.5382

136.6818,

144.9352, 126.1158

170.4518,
180.6440, 159.7922

■ 13.7759, 14.7394,
9.7083

■ 13.7759, 14.7394,
9.7083

■ 13.1172, 14.0447,
7.5689

■ 14.5165, 15.4812,
12.2343

■ 12.5354, 13.3935,
5.7955

■ 15.3412, 16.2696,
15.1640

■ 12.0268, 12.7846,
4.3673

■ 16.2539, 17.1067,
18.5148

■ 11.5869, 12.2162,
3.2607

■ 17.2576, 17.9939,
22.3026

■ 11.2106, 11.6860,
2.4494

■ 18.3552, 18.9325,
26.5427

■ 10.8920, 11.1917,
1.9028

■ 19.5496, 19.9236,
31.2495

■ 10.6196, 10.7436,
1.5140

■ 20.8434, 20.9685,
36.4368

■ 22.2392, 22.0683,
42.1178

■ 23.7395, 23.2241,
48.3052

Harmonies

Analogous

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



15.1314, 14.7394, 10.1872



13.7759, 14.7394, 9.7083



12.5623, 14.7394, 10.6920

Triad

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



13.7759, 14.7394, 9.7083



11.9868, 14.7394, 20.7393



16.5081, 14.7394, 19.3881

Complementary

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



13.7759, 14.7394, 9.7083



9.8924, 9.9225, 17.6136

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.



15.5635, 14.7394, 22.9491



13.7759, 14.7394, 9.7083



12.9442, 14.7394, 23.8131

Square

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



13.7759, 14.7394, 9.7083



11.5727, 14.7394, 16.7305



14.2454, 14.7394, 24.6806



16.7661, 14.7394, 15.3857

Rectangle

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



13.7759, 14.7394, 9.7083



11.9787, 14.7394, 12.1553



14.2454, 14.7394, 24.6806



16.2575, 14.7394, 20.6957

Sweetspot

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



13.7763, 14.7401, 9.7086



27.6587, 29.3087, 27.8323



11.7074, 10.0897, 10.5994



6.5539, 6.9504, 6.4786



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.



13.7763, 14.7401, 9.7086



23.7662, 25.4487, 14.4344



13.4831, 15.8846, 9.9450



3.8991, 4.1312, 3.9342



12.1240, 12.2492, 1.7253



58.4138, 58.3562, 8.1851

Inverse Universe

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



9.8924, 9.9225, 17.6136



15.5485, 15.2585, 31.1702



10.1152, 9.1157, 17.4461



3.5623, 3.7132, 4.6192



3.9522, 2.2441, 18.7674



18.7078, 9.8322, 91.2721

Previews

White Background



This preview shows how the XYZ color 13.7759, 14.7394, 9.7083 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 13.7759, 14.7394, 9.7083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

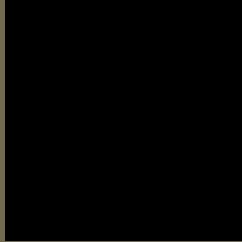
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7759, 14.7394, 9.7083

Background



This preview shows how black text looks on a background with the XYZ color 13.7759, 14.7394, 9.7083.



This preview shows how white text looks on a background with the XYZ color 13.7759, 14.7394,

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

13.7759, 14.7394, 9.7083

Protanopia

13.7759, 14.7394, 9.7083

Deuteranopia

14.9396, 14.7302, 9.8404



Tritanopia

15.3272, 14.7701, 17.0820

Trichromacy



Original Color

13.7759, 14.7394, 9.7083

Protanomaly

13.7759, 14.7394, 9.7083

Deuteranomaly

14.4616, 14.6323, 9.8467

Tritanomaly

14.7218, 14.6723, 14.1127

Monochromacy



Original Color

13.7759, 14.7394, 9.7083

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.6184, 14.4223, 13.3753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7759, 14.7394, 9.7083 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(115, 107, 80)` looks like.

```
.text, #text, p{  
    color:rgb(115, 107, 80)  
}
```

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(115, 107, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 107, 80) }
```

Border

The CSS property to change the border of an element to XYZ 13.7759, 14.7394, 9.7083 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(115, 107, 80) }
```


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

```
.border{ border-color:rgb(115, 107, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 107, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 107, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 107, 80);  
box-shadow:4px 4px 4px 4px rgb(115, 107,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7759, 14.7394, 9.7083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 107, 80) }
```

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

```
.background{ background-color: rgb(115,  
107, 80) }
```

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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