

Converting Colors

XYZ(13.7353, 14.3911, 9.9569)

Have a look what the booklet for
XYZ(13.7353, 14.3911, 9.9569)
contains.

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Color

**XYZ(13.7770, 14.4254,
10.0409)**

Conversions

Conversions Part 1

Format	Color
Hex	746952
RGB	116, 105, 82
RGB Percent	45%, 41%, 32%
CMY	0.5451, 0.5882, 0.6784
CMYK	0.00, 0.09, 0.29, 0.55
HSL	41°, 17%, 39%
HSV	41°, 29%, 45%
XYZ	13.7770, 14.4254, 10.0409
YIQ	105.6670, 13.9390, -4.8210

Conversions

Conversions Part 2

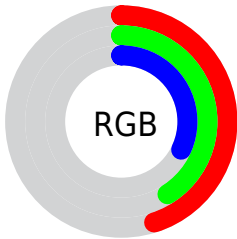
Format	Color
RYB	98, 116, 82
Decimal	7629138
CIELab	44.84, 0.42, 14.53
CIELCh	45, 14.539, 88.342
Yxy	14.4254, 0.3602, 0.3772
Android (android.graphics.Color)	4285819218 (0xFF746952)
YUV	105.6670, -11.6678, 9.0620
Hunter-Lab	37.9808, -1.7180, 10.9122

Details

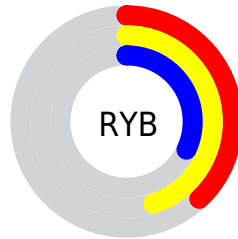
The XYZ color **13.7770, 14.4254, 10.0409** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.5462, 10.8830, 18.0677**, and the grayscale version is **13.6371, 14.3472, 15.6242**.

A 20% lighter version of the original color is **32.2018, 33.7677, 26.6504**, and **4.1617, 4.3530, 2.3711** is the 20% darker color. If you saturate the color by 10%, you get **12.9988, 13.5166, 7.7848**, and if you desaturate by 10%, it is **14.6475, 15.3991, 12.6964**.

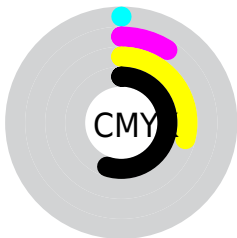
Distribution



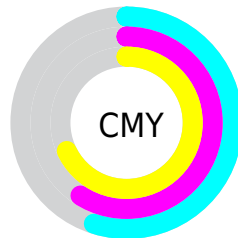
- Red (45%)
- Green (41%)
- Blue (32%)



- Red (38%)
- Yellow (45%)
- Blue (32%)



- Cyan (0%)
- Magenta (9%)
- Yellow (29%)
- Black (55%)



- Cyan (55%)
- Magenta (59%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7770, 14.4254, 10.0409 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 13.7770, 14.4254, 10.0409 by changing the saturation by 10% instead.

■ 13.7770, 14.4254,
10.0409

■ 13.7770, 14.4254,
10.0409

209.3776,
219.8614, 201.4591

■ 8.0464, 8.4171,
5.3201

■ 32.2824, 33.8420,
26.4814

■ 4.1767, 4.3630,
2.3743

■ 45.7879, 48.0190,
39.0382

■ 1.8026, 1.8786,
0.7724

■ 62.6158, 65.6878,
55.0442

■ 0.5192, 0.5355,
0.0000

■ 83.1313, 87.2327,
74.9177

■ 0.0000, 0.0000,
0.0000

■ 107.6999,
113.0382, 99.0775

136.6869,

143.4885, 127.9419

170.4577,
178.9681, 161.9296

■ 13.7770, 14.4254,
10.0409

■ 13.7770, 14.4254,
10.0409

■ 12.9988, 13.5166,
7.7848

■ 14.6475, 15.3991,
12.6964

■ 12.3077, 12.6688,
5.9073

■ 15.6128, 16.4376,
15.7687

■ 11.6999, 11.8805,
4.3872

■ 16.6769, 17.5432,
19.2755

■ 11.1707, 11.1497,
3.2006

■ 17.8429, 18.7176,
23.2331

■ 10.7147, 10.4737,
2.3211

■ 19.1140, 19.9623,
27.6569

■ 10.3259, 9.8497,
1.7178

■ 20.4932, 21.2788,
32.5617

■ 9.9841, 9.2694,
1.2860

■ 21.9833, 22.6686,
37.9615

■ 9.9612, 9.2305,
1.2567

■ 23.5871, 24.1332,
43.8699

■ 25.3073, 25.6737,
50.2997

Harmonies

Analogous

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



14.9430, 14.4254, 10.7774



13.7770, 14.4254, 10.0409



12.6565, 14.4254, 10.6311

Triad

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



13.7770, 14.4254, 10.0409



11.8001, 14.4254, 19.0160



15.7452, 14.4254, 19.3903

Complementary

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



13.7770, 14.4254, 10.0409



10.5462, 10.8830, 18.0677

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.



14.8223, 14.4254, 22.1851



13.7770, 14.4254, 10.0409



12.5484, 14.4254, 21.9481

Square

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



13.7770, 14.4254, 10.0409



11.5553, 14.4254, 15.5186



13.6450, 14.4254, 23.1819



16.1192, 14.4254, 15.8965

Rectangle

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



13.7770, 14.4254, 10.0409



12.0766, 14.4254, 11.7532



13.6450, 14.4254, 23.1819



15.4864, 14.4254, 20.4604

Sweetspot

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



13.7774, 14.4261, 10.0412



27.4593, 28.9099, 27.7658



12.2104, 10.5440, 11.8253



6.5004, 6.8435, 6.4608



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.



13.7774, 14.4261, 10.0412



23.3005, 24.2948, 14.9653



14.2403, 16.4363, 10.4048



3.8716, 4.0761, 3.9250



11.1617, 10.3247, 1.4046



53.5905, 48.7094, 6.5773

Inverse Universe

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



10.5462, 10.8830, 18.0677



16.6666, 17.0229, 31.4518



10.1628, 9.3542, 17.7928



3.5884, 3.7655, 4.6279



4.2827, 2.9050, 18.8776



20.1691, 12.7547, 91.7592

Previews

White Background



This preview shows how the XYZ color 13.7770, 14.4254, 10.0409 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 13.7770, 14.4254, 10.0409 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 13.7770, 14.4254, 10.0409

Background



This preview shows how black text looks on a background with the XYZ color 13.7770, 14.4254, 10.0409.



This preview shows how white text looks on a background with the XYZ color 13.7770, 14.4254,

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

13.7770, 14.4254, 10.0409

Protanopia

13.4871, 14.4280, 10.0567

Deuteranopia

14.6249, 14.4124, 10.1947



Tritanopia

15.0217, 14.3334, 16.4429

Trichromacy



Original Color

13.7770, 14.4254, 10.0409

Protanomaly

13.6165, 14.4947, 10.0627

Deuteranomaly

14.2967, 14.3900, 10.2076

Tritanomaly

14.4747, 14.2551, 13.7930

Monochromacy



Original Color

13.7770, 14.4254, 10.0409

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.7421, 14.4861, 13.3811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7770, 14.4254, 10.0409 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(116, 105, 82)` looks like.

```
.text, #text, p{  
    color:rgb(116, 105, 82)  
}
```

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(116, 105, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 105, 82) }
```

Border

The CSS property to change the border of an element to XYZ 13.7770, 14.4254, 10.0409 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(116, 105, 82) }
```


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

```
.border{ border-color:rgb(116, 105, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 105, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 105, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 105, 82);  
box-shadow:4px 4px 4px 4px rgb(116, 105,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7770, 14.4254, 10.0409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 105, 82) }
```

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

```
.background{ background-color: rgb(116,  
105, 82) }
```

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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