

Converting Colors

XYZ(13.6602, 14.4267, 11.6840)

Have a look what the booklet for
XYZ(13.6602, 14.4267, 11.6840)
contains.

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Color

**XYZ(13.6816, 14.4910,
11.7488)**

Conversions

Conversions Part 1

Format	Color
Hex	706A5A
RGB	112, 106, 90
RGB Percent	44%, 42%, 35%
CMY	0.5608, 0.5843, 0.6471
CMYK	0.00, 0.05, 0.20, 0.56
HSL	44°, 11%, 40%
HSV	44°, 20%, 44%
XYZ	13.6816, 14.4910, 11.7488
YIQ	105.9700, 8.7120, -3.7040

Conversions

Conversions Part 2

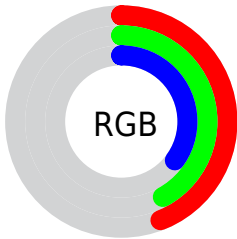
Format	Color
RYB	98, 112, 90
Decimal	7367258
CIELab	44.93, -0.58, 9.83
CIELCh	45, 9.852, 93.398
Yxy	14.4910, 0.3427, 0.3630
Android (android.graphics.Color)	4285557338 (0xFF706A5A)
YUV	105.9700, -7.8732, 5.2883
Hunter-Lab	38.0670, -2.4630, 8.3480

Details

The XYZ color **13.6816, 14.4910, 11.7488** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.3239, 11.7090, 16.9926**, and the grayscale version is **13.7109, 14.4249, 15.7088**.

A 20% lighter version of the original color is **32.1004, 33.8999, 29.6624**, and **4.1329, 4.3998, 3.0143** is the 20% darker color. If you saturate the color by 10%, you get **12.9314, 13.6969, 9.3214**, and if you desaturate by 10%, it is **14.5156, 15.3376, 14.5590**.

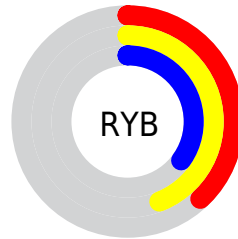
Distribution



Red (44%)

Green (42%)

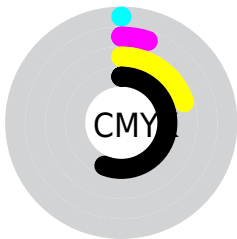
Blue (35%)



Red (38%)

Yellow (44%)

Blue (35%)

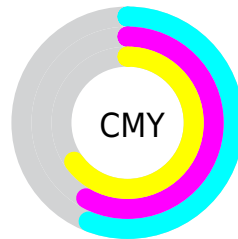


Cyan (0%)

Magenta (5%)

Yellow (20%)

Black (56%)



Cyan (56%)

Magenta (58%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6816, 14.4910, 11.7488 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 13.6816, 14.4910, 11.7488 by changing the saturation by 10% instead.

■ 13.6816, 14.4910,
11.7488

■ 13.6816, 14.4910,
11.7488

208.7915,
220.2643, 213.6537

■ 7.9798, 8.4629,
6.4524

■ 32.1140, 33.9577,
29.6943

■ 4.1337, 4.3926,
3.0489

■ 45.5753, 48.1652,
43.1805

■ 1.7780, 1.8955,
1.1196

■ 62.3538, 65.8679,
60.2337

■ 0.5044, 0.5457,
0.0000

■ 82.8148, 87.4503,
81.2724

■ 0.0000, 0.0000,
0.0000

107.3237,
113.2968, 106.7152

136.2459,

143.7916, 136.9807

169.9467,
179.3194, 172.4873

■ 13.6816, 14.4910,
11.7488

■ 13.6816, 14.4910,
11.7488

■ 12.9314, 13.6969,
9.3214

■ 14.5156, 15.3376,
14.5590

■ 12.2606, 12.9517,
7.2589

■ 15.4354, 16.2361,
17.7669

■ 11.6660, 12.2546,
5.5435

■ 16.4444, 17.1886,
21.3878

■ 11.1437, 11.6038,
4.1554

■ 17.5453, 18.1963,
25.4358

■ 10.6895, 10.9974,
3.0727

■ 18.7407, 19.2605,
29.9245

■ 10.2986, 10.4333,
2.2712

■ 20.0334, 20.3824,
34.8667

■ 9.9655, 9.9092,
1.7226

■ 21.4256, 21.5631,
40.2749

■ 9.6698, 9.4165,
1.3194

■ 22.9197, 22.8037,
46.1609

■ 9.6594, 9.3993,
1.3051

■ 24.5181, 24.1053,
52.5362

Harmonies

Analogous

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



14.4791, 14.4910, 12.1326



13.6816, 14.4910, 11.7488



12.9376, 14.4910, 12.3547

Triad

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



13.6816, 14.4910, 11.7488



12.5193, 14.4910, 18.3501



15.2062, 14.4910, 17.8507

Complementary

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



13.6816, 14.4910, 11.7488



11.3239, 11.7090, 16.9926

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.



14.6442, 14.4910, 19.7821



13.6816, 14.4910, 11.7488



13.0908, 14.4910, 20.0896

Square

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



13.6816, 14.4910, 11.7488



12.2832, 14.4910, 16.0428



13.8653, 14.4910, 20.6374



15.3792, 14.4910, 15.5166

Rectangle

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



13.6816, 14.4910, 11.7488



12.5660, 14.4910, 13.2766



13.8653, 14.4910, 20.6374



15.0555, 14.4910, 18.5759

Sweetspot

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



13.6820, 14.4916, 11.7491



26.0459, 27.4838, 27.4597



12.4605, 11.6061, 12.7064



6.2397, 6.5854, 6.5357



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.6820, 14.4916, 11.7491



23.3604, 24.7508, 18.4314



13.7313, 15.4670, 11.9348



3.5687, 3.7699, 3.6129



11.1474, 10.8274, 1.5024



54.7859, 52.4470, 7.2358

Inverse Universe

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



11.3239, 11.7090, 16.9926



18.3400, 18.8273, 29.5972



11.2761, 10.9028, 16.8395



3.2848, 3.4349, 4.2441



3.9159, 2.4221, 17.9827



18.8755, 10.8030, 89.3695

Previews

White Background



This preview shows how the XYZ color 13.6816, 14.4910, 11.7488 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 13.6816, 14.4910, 11.7488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

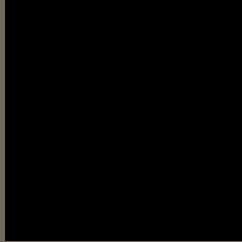
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6816, 14.4910, 11.7488

Background



This preview shows how black text looks on a background with the XYZ color 13.6816, 14.4910, 11.7488.



This preview shows how white text looks on a background with the XYZ color 13.6816, 14.4910,

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

13.6816, 14.4910, 11.7488

Protanopia

13.6816, 14.4910, 11.7488

Deuteranopia

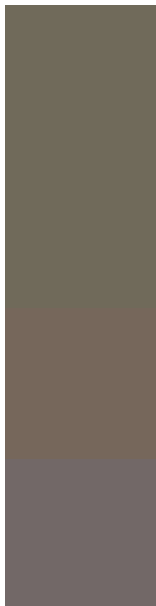
14.6657, 14.3956, 11.9032



Tritanopia

14.7897, 14.4930, 17.0569

Trichromacy



Original Color

13.6816, 14.4910, 11.7488

Protanomaly

13.6816, 14.4910, 11.7488

Deuteranomaly

14.2098, 14.3074, 11.9102

Tritanomaly

14.3379, 14.4573, 14.8668

Monochromacy



Original Color

13.6816, 14.4910, 11.7488

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.6386, 14.4163, 14.1204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6816, 14.4910, 11.7488 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(112, 106, 90)` looks like.

```
.text, #text, p{  
    color:rgb(112, 106, 90)  
}
```

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(112, 106, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 106, 90) }
```

Border

The CSS property to change the border of an element to XYZ 13.6816, 14.4910, 11.7488 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(112, 106, 90) }
```


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

```
.border{ border-color:rgb(112, 106, 90) }
```

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

Here you see how a box with a 4 pixel rgb(112, 106, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 106, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 106, 90);  
box-shadow:4px 4px 4px 4px rgb(112, 106,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6816, 14.4910, 11.7488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 106, 90) }
```

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

```
.background{ background-color: rgb(112,  
106, 90) }
```

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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