

Converting Colors

XYZ(14.7593, 14.5501, 11.9963)

Have a look what the booklet for
XYZ(14.7593, 14.5501, 11.9963)
contains.

XYZ(14.7646, 14.5934, 11.9362)	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(14.7646, 14.5934,
11.9362)**

Conversions

Conversions Part 1

Format	Color
Hex	7A675B
RGB	122, 103, 91
RGB Percent	48%, 40%, 36%
CMY	0.5216, 0.5961, 0.6431
CMYK	0.00, 0.16, 0.25, 0.52
HSL	23°, 15%, 42%
HSV	23°, 25%, 48%
XYZ	14.7646, 14.5934, 11.9362
YIQ	107.3130, 15.1760, 0.2960

Conversions

Conversions Part 2

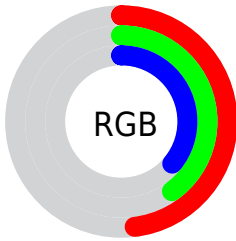
Format	Color
R_{YB}	122, 111, 91
Decimal	8021851
CIE Lab	45.07, 5.54, 9.58
CIE LCh	45, 11.064, 59.961
Yxy	14.5934, 0.3575, 0.3534
Android (android.graphics.Color)	4286211931 (0xFF7A675B)
YUV	107.3130, -8.0423, 12.8805
Hunter-Lab	38.2013, 2.1370, 8.2154

Details

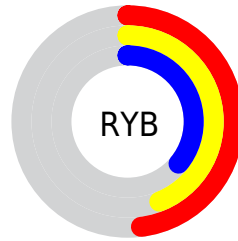
The XYZ color **14.7646, 14.5934, 11.9362** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4030, 14.7807, 20.5589**, and the grayscale version is **14.0810, 14.8144, 16.1328**.

A 20% lighter version of the original color is **34.0425, 34.1482, 29.9963**, and **4.6355, 4.4343, 3.0942** is the 20% darker color. If you saturate the color by 10%, you get **13.5699, 12.9789, 9.1492**, and if you desaturate by 10%, it is **16.1122, 16.3765, 15.1967**.

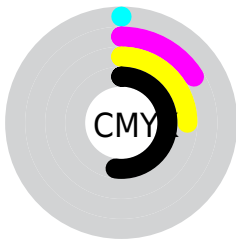
Distribution



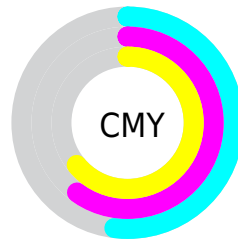
- Red (48%)
- Green (40%)
- Blue (36%)



- Red (48%)
- Yellow (44%)
- Blue (36%)



- Cyan (0%)
- Magenta (16%)
- Yellow (25%)
- Black (52%)



- Cyan (52%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7646, 14.5934, 11.9362 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 14.7646, 14.5934, 11.9362 by changing the saturation by 10% instead.

■ 14.7646, 14.5934,
11.9362

■ 14.7646, 14.5934,
11.9362

215.3537,
220.8918, 214.9454

■ 8.7396, 8.5345,
6.5782

■ 34.0147, 34.1383,
30.0415

■ 4.6275, 4.4388,
3.1253

■ 47.9706, 48.3931,
43.6259

■ 2.0629, 1.9219,
1.1590

■ 65.3007, 66.1487,
60.7896

■ 0.6689, 0.5615,
0.0000

■ 86.3706, 87.7894,
81.9510

■ 0.0000, 0.0000,
0.0000

111.5454,
113.6997, 107.5288

141.1907,

144.2639, 137.9414

175.6716,
179.8665, 173.6074

■ 14.7646, 14.5934,
11.9362

■ 14.7646, 14.5934,
11.9362

■ 13.5699, 12.9789,
9.1492

■ 16.1122, 16.3765,
15.1967

■ 12.5211, 11.5258,
6.8124

■ 17.6170, 18.3312,
18.9507

■ 11.6122, 10.2294,
4.9021

■ 19.2846, 20.4626,
23.2179

■ 10.8365, 9.0841,
3.3917

■ 21.1201, 22.7753,
28.0170

■ 10.1866, 8.0836,
2.2518

■ 23.1281, 25.2736,
33.3655

■ 9.6540, 7.2213,
1.4488

■ 25.3133, 27.9616,
39.2802

■ 9.2261, 6.4886,
0.9270

■ 27.6800, 30.8435,
45.7772

■ 9.0520, 6.1895,
0.7176

■ 30.2324, 33.9230,
52.8718

■ 32.9746, 37.2039,
60.5789

Harmonies

Analogous

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



15.4416, 14.5934, 13.5173



14.7646, 14.5934, 11.9362



13.8718, 14.5934, 11.3889

Triad

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



14.7646, 14.5934, 11.9362



12.1942, 14.5934, 15.8864



14.7625, 14.5934, 20.6361

Complementary

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



14.7646, 14.5934, 11.9362



13.4030, 14.7807, 20.5589

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.



13.8694, 14.5934, 21.4431



14.7646, 14.5934, 11.9362



12.4099, 14.5934, 18.5247

Square

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



14.7646, 14.5934, 11.9362



12.4110, 14.5934, 13.5120



13.0134, 14.5934, 20.6321



15.4403, 14.5934, 18.5312

Rectangle

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



14.7646, 14.5934, 11.9362



13.2821, 14.5934, 11.6316



13.0134, 14.5934, 20.6321



14.4762, 14.5934, 21.0778

Sweetspot

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



14.7650, 14.5941, 11.9365



30.2281, 31.2618, 31.4121



14.5881, 12.7483, 16.4771



6.8331, 7.0463, 6.9856



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



14.7650, 14.5941, 11.9365



24.8261, 24.1291, 18.2927



16.4381, 17.9403, 12.4942



4.1138, 4.2460, 4.2272



9.5226, 6.5012, 0.7530



44.6518, 29.4670, 3.3343

Inverse Universe

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



13.4030, 14.7807, 20.5589



22.0338, 24.5093, 35.9624



11.8852, 11.7450, 20.0530



3.9829, 4.2641, 5.0563



6.3225, 6.7274, 20.3506



29.3147, 30.4019, 96.7929

Previews

White Background



This preview shows how the XYZ color 14.7646, 14.5934, 11.9362 looks on a white background.

Color Contrast Check

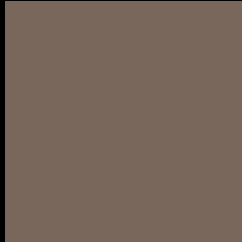
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7646, 14.5934, 11.9362 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 14.7646, 14.5934, 11.9362

Background



This preview shows how black text looks on a background with the XYZ color 14.7646, 14.5934, 11.9362.

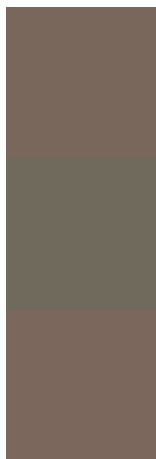


This preview shows how white text looks on a background with the XYZ color 14.7646, 14.5934,

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

14.7646, 14.5934, 11.9362

Protanopia

13.8119, 14.5431, 12.4351

Deuteranopia

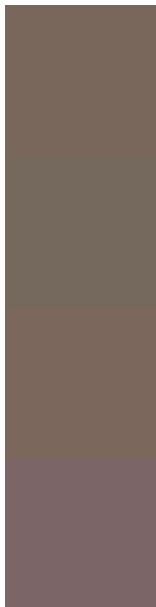
14.9070, 14.6668, 11.9428



Tritanopia

15.5761, 14.4821, 16.1617

Trichromacy



Original Color

14.7646, 14.5934, 11.9362

Protanomaly

14.1858, 14.5889, 12.1935

Deuteranomaly

14.9070, 14.6668, 11.9428

Tritanomaly

15.2203, 14.4776, 14.5626

Monochromacy



Original Color

14.7646, 14.5934, 11.9362

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.1851, 14.6924, 14.4002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7646, 14.5934, 11.9362 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(122, 103, 91)` looks like.

```
.text, #text, p{  
    color:rgb(122, 103, 91)  
}
```

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(122, 103, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 103, 91) }
```

Border

The CSS property to change the border of an element to XYZ 14.7646, 14.5934, 11.9362 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(122, 103, 91) }
```


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

```
.border{ border-color:rgb(122, 103, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 103, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 103, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 103, 91);  
box-shadow:4px 4px 4px 4px rgb(122, 103,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7646, 14.5934, 11.9362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 103, 91) }
```

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

```
.background{ background-color: rgb(122,  
103, 91) }
```

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