

Converting Colors

XYZ(13.3434, 14.7850, 7.4899)

Have a look what the booklet for
XYZ(13.3434, 14.7850, 7.4899)
contains.

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Color

**XYZ(13.3151, 14.7078,
7.4473)**

Conversions

Conversions Part 1

Format	Color
Hex	726C43
RGB	114, 108, 67
RGB Percent	45%, 42%, 26%
CMY	0.5529, 0.5765, 0.7373
CMYK	0.00, 0.05, 0.41, 0.55
HSL	52°, 26%, 35%
HSV	52°, 41%, 45%
XYZ	13.3151, 14.7078, 7.4473
YIQ	105.1200, 16.7370, -11.4790

Conversions

Conversions Part 2

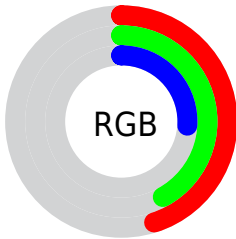
Format	Color
R_YB	74, 114, 67
Decimal	7498819
CIE Lab	45.23, -4.25, 23.78
CIE LCh	45, 24.156, 100.129
Yxy	14.7078, 0.3754, 0.4147
Android (android.graphics.Color)	4285688899 (0xFF726C43)
YUV	105.1200, -18.7932, 7.7878
Hunter-Lab	38.3507, -5.1399, 15.3320

Details

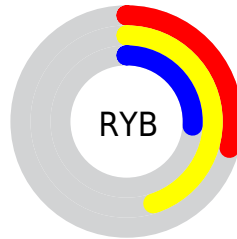
The XYZ color **13.3151, 14.7078, 7.4473** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.7345, 7.1730, 16.8964**, and the grayscale version is **13.5063, 14.2096, 15.4743**.

A 20% lighter version of the original color is **31.4869, 34.2727, 21.4788**, and **3.9935, 4.5192, 1.4209** is the 20% darker color. If you saturate the color by 10%, you get **12.8543, 14.2806, 5.7694**, and if you desaturate by 10%, it is **13.8466, 15.1684, 9.4814**.

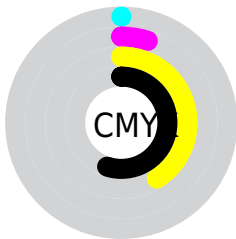
Distribution



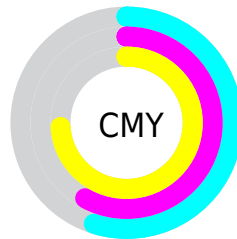
- Red (45%)
- Green (42%)
- Blue (26%)



- Red (29%)
- Yellow (45%)
- Blue (26%)



- Cyan (0%)
- Magenta (5%)
- Yellow (41%)
- Black (55%)



- Cyan (55%)
- Magenta (58%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3151, 14.7078, 7.4473 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 13.3151, 14.7078, 7.4473 by changing the saturation by 10% instead.

■ 13.3151, 14.7078,
7.4473

■ 13.3151, 14.7078,
7.4473

206.5244,
221.5907, 181.0999

■ 7.7244, 8.6146,
3.6607

■ 31.4652, 34.3398,
21.3956

■ 3.9694, 4.4906,
1.4411

■ 44.7554, 48.6473,
32.3943

■ 1.6848, 1.9516,
0.1735

■ 61.3427, 66.4617,
46.6343

■ 0.4468, 0.5791,
0.0000

■ 81.5925, 88.1673,
64.5338

■ 0.0000, 0.0000,
0.0000

■ 105.8703,
114.1487, 86.5117

134.5413,

144.7901, 112.9863

167.9708,
180.4760, 144.3762

■ 13.3151, 14.7078,
7.4473

■ 13.3151, 14.7078,
7.4473

■ 12.8543, 14.2806,
5.7694

■ 13.8466, 15.1684,
9.4814

■ 12.4590, 13.8831,
4.4258

■ 14.4513, 15.6619,
11.8899

■ 12.1253, 13.5144,
3.3938

■ 15.1330, 16.1904,
14.6911

■ 11.8481, 13.1722,
2.6472

■ 15.8948, 16.7550,
17.9016

■ 11.6218, 12.8545,
2.1558

■ 16.7398, 17.3571,
21.5371

■ 11.4444, 12.5875,
1.8264

■ 17.6708, 17.9978,
25.6126

■ 18.6905, 18.6782,
30.1421

■ 19.8014, 19.3993,
35.1393

■ 21.0062, 20.1621,
40.6172

Harmonies

Analogous

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



15.3250, 14.7078, 7.7411



13.3151, 14.7078, 7.4473



11.6485, 14.7078, 8.9939

Triad

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



13.3151, 14.7078, 7.4473



11.2451, 14.7078, 24.1955



17.9088, 14.7078, 20.0489

Complementary

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



13.3151, 14.7078, 7.4473



7.7345, 7.1730, 16.8964

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.



16.6020, 14.7078, 25.9756



13.3151, 14.7078, 7.4473



12.7148, 14.7078, 28.7368

Square

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



13.3151, 14.7078, 7.4473



10.5310, 14.7078, 18.0264



14.6653, 14.7078, 29.4563



18.1085, 14.7078, 14.1578

Rectangle

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



13.3151, 14.7078, 7.4473



10.9081, 14.7078, 11.1396



14.6653, 14.7078, 29.4563



17.5789, 14.7078, 22.1369

Sweetspot

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



13.3155, 14.7085, 7.4476



26.4569, 28.3480, 25.2499



10.1581, 8.0764, 7.3735



6.0924, 6.5359, 5.7310



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.



13.3155, 14.7085, 7.4476



22.6619, 25.1655, 10.3969



11.9354, 14.9684, 7.5705



3.6073, 3.8472, 3.6258



12.7317, 13.9958, 2.0304



62.9837, 68.8426, 9.9684

Inverse Universe

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



7.7345, 7.1730, 16.8964



11.4957, 10.0942, 29.3180



8.7216, 7.1250, 16.8351



3.2488, 3.3628, 4.2321



3.5560, 1.7024, 17.8628



17.3473, 7.7465, 88.8600

Previews

White Background



This preview shows how the XYZ color 13.3151, 14.7078, 7.4473 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 13.3151, 14.7078, 7.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

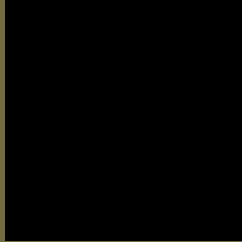
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3151, 14.7078, 7.4473

Background



This preview shows how black text looks on a background with the XYZ color 13.3151, 14.7078, 7.4473.



This preview shows how white text looks on a background with the XYZ color 13.3151, 14.7078,

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

13.3151, 14.7078, 7.4473

Protanopia

13.6069, 14.7025, 7.4309

Deuteranopia

14.8480, 14.5872, 7.5019



Tritanopia

15.3272, 14.7701, 17.0820

Trichromacy



Original Color

13.3151, 14.7078, 7.4473

Protanomaly

13.4733, 14.6336, 7.4246

Deuteranomaly

14.3059, 14.6031, 7.5335

Tritanomaly

14.4533, 14.7113, 12.9043

Monochromacy



Original Color

13.3151, 14.7078, 7.4473

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2267, 14.2515, 11.9512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3151, 14.7078, 7.4473 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(114, 108, 67)` looks like.

```
.text, #text, p{  
    color:rgb(114, 108, 67)  
}
```

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(114, 108, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 108, 67) }
```

Border

The CSS property to change the border of an element to XYZ 13.3151, 14.7078, 7.4473 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(114, 108, 67) }
```


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

```
.border{ border-color:rgb(114, 108, 67) }
```

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

Here you see how a box with a 4 pixel rgb(114, 108, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 108, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 108, 67);  
box-shadow:4px 4px 4px 4px rgb(114, 108,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3151, 14.7078, 7.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 108, 67) }
```

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

```
.background{ background-color: rgb(114,  
108, 67) }
```

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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