

Converting Colors

XYZ(13.2592, 12.9991, 7.4469)

Have a look what the booklet for
XYZ(13.2592, 12.9991, 7.4469)
contains.

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Color

**XYZ(13.2340, 13.0440,
7.4505)**

Conversions

Conversions Part 1

Format	Color
Hex	796145
RGB	121, 97, 69
RGB Percent	47%, 38%, 27%
CMY	0.5255, 0.6196, 0.7294
CMYK	0.00, 0.20, 0.43, 0.53
HSL	32°, 27%, 37%
HSV	32°, 43%, 47%
XYZ	13.2340, 13.0440, 7.4505
YIQ	100.9840, 23.2920, -3.6200

Conversions

Conversions Part 2

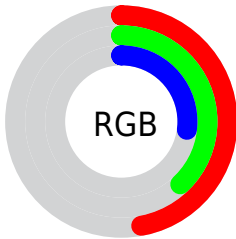
Format	Color
R_{YB}	114, 121, 69
Decimal	7954757
CIE _{Lab}	42.83, 5.58, 19.63
CIE _{LCh}	43, 20.403, 74.139
Yxy	13.0440, 0.3924, 0.3867
Android (android.graphics.Color)	4286144837 (0xFF796145)
YUV	100.9840, -15.7681, 17.5540
Hunter-Lab	36.1165, 2.2031, 13.0505

Details

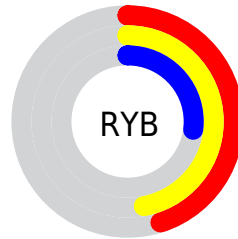
The XYZ color **13.2340, 13.0440, 7.4505** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.8196, 10.4740, 19.5932**, and the grayscale version is **12.4010, 13.0468, 14.2080**.

A 20% lighter version of the original color is **31.3155, 31.4865, 21.5665**, and **3.9578, 3.7774, 1.4402** is the 20% darker color. If you saturate the color by 10%, you get **12.3982, 11.9134, 5.5041**, and if you desaturate by 10%, it is **14.1834, 14.2791, 9.8131**.

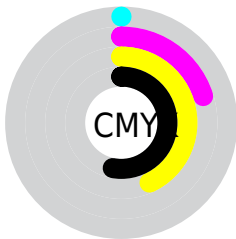
Distribution



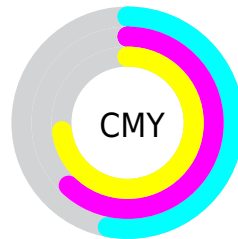
- Red (47%)
- Green (38%)
- Blue (27%)



- Red (45%)
- Yellow (47%)
- Blue (27%)



- Cyan (0%)
- Magenta (20%)
- Yellow (43%)
- Black (53%)





- Cyan (53%)
- Magenta (62%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2340, 13.0440, 7.4505 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 13.2340, 13.0440, 7.4505 by changing the saturation by 10% instead.


 13.2340, 13.0440,
7.4505


 13.2340, 13.0440,
7.4505


206.0194,
211.1995, 181.1268


 7.6680, 7.4589,
3.6627


 31.3213, 31.3828,
21.4020


 3.9333, 3.7507,
1.4422

 44.5733, 44.9053,
32.4029

 1.6644, 1.5351,
0.1743

 61.1180, 61.8423,
46.6451

 0.4339, 0.3132,
0.0000

 81.3207, 82.5782,
64.5473

 0.0000, 0.0000,
0.0000

 105.5469,
107.4975, 86.5281

134.1618,

136.9846, 113.0059

167.5308,
171.4238, 144.3992

■ 13.2340, 13.0440,
7.4505

■ 13.2340, 13.0440,
7.4505

■ 12.3982, 11.9134,
5.5041

■ 14.1834, 14.2791,
9.8131

■ 11.6696, 10.8822,
3.9480

■ 15.2504, 15.6201,
12.6139

■ 11.0426, 9.9473,
2.7550

■ 16.4401, 17.0705,
15.8743

■ 10.5104, 9.1048,
1.8937

■ 17.7569, 18.6332,
19.6142

■ 10.0650, 8.3501,
1.3254

■ 19.2048, 20.3110,
23.8521

■ 9.7846, 7.8640,
1.0022

■ 20.7879, 22.1064,
28.6057

■ 22.5099, 24.0219,
33.8917

■ 24.3744, 26.0601,
39.7262

■ 26.3850, 28.2232,
46.1243

Harmonies

Analogous

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



14.6721, 13.0440, 9.0310



13.2340, 13.0440, 7.4505



11.6812, 13.0440, 7.4072

Triad

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



13.2340, 13.0440, 7.4505



9.7164, 13.0440, 16.4009



14.6010, 13.0440, 21.2844

Complementary

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



13.2340, 13.0440, 7.4505



9.8196, 10.4740, 19.5932

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.



13.1434, 13.0440, 24.2407



13.2340, 13.0440, 7.4505



10.3718, 13.0440, 21.0467

Square

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



13.2340, 13.0440, 7.4505



9.7362, 13.0440, 11.9866



11.5978, 13.0440, 24.1456



15.5053, 13.0440, 16.6764

Rectangle

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



13.2340, 13.0440, 7.4505



10.7931, 13.0440, 8.2242



11.5978, 13.0440, 24.1456



14.1544, 13.0440, 22.5434

Sweetspot

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



13.2343, 13.0446, 7.4508



29.3616, 30.4744, 28.2078



12.0009, 9.1164, 11.5452



6.6205, 6.8557, 6.1910



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.



13.2343, 13.0446, 7.4508



22.1567, 21.2711, 9.7550



15.5559, 18.0452, 8.2936



4.1604, 4.3392, 4.2428



10.4745, 8.4048, 1.0702



49.1050, 38.3735, 4.8187

Inverse Universe

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



9.8196, 10.4740, 19.5932



15.1496, 15.9997, 34.6827



8.1585, 6.9664, 19.0037



3.9359, 4.1700, 5.0406



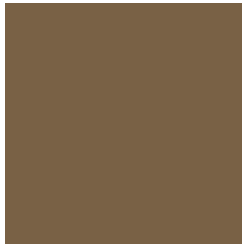
5.1946, 4.4715, 19.9746



23.9454, 19.6634, 95.0032

Previews

White Background



This preview shows how the XYZ color 13.2340, 13.0440, 7.4505 looks on a white background.

Color Contrast Check

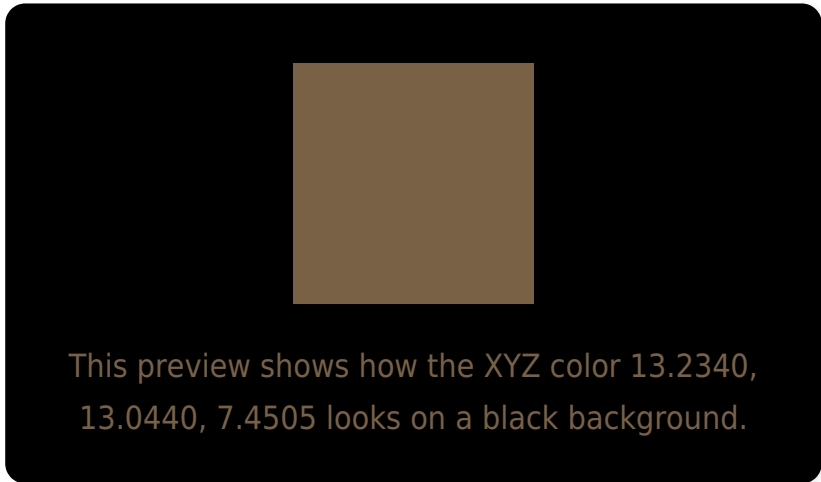
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 13.2340, 13.0440, 7.4505

Background



This preview shows how black text looks on a background with the XYZ color 13.2340, 13.0440, 7.4505.



This preview shows how white text looks on a background with the XYZ color 13.2340, 13.0440,

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

13.2340, 13.0440, 7.4505

Protanopia

12.0977, 13.0135, 7.8355

Deuteranopia

13.2340, 13.0440, 7.4505



Tritanopia

14.5268, 13.0339, 13.8067

Trichromacy



Original Color

13.2340, 13.0440, 7.4505

Protanomaly

12.4727, 13.0672, 7.6592

Deuteranomaly

13.2340, 13.0440, 7.4505

Tritanomaly

13.9743, 12.9376, 11.2119

Monochromacy



Original Color

13.2340, 13.0440, 7.4505

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.5447, 13.0238, 11.3039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2340, 13.0440, 7.4505 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(121, 97, 69)` looks like.

```
.text, #text, p{  
    color:rgb(121, 97, 69)  
}
```

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(121, 97, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 97, 69) }
```

Border

The CSS property to change the border of an element to XYZ 13.2340, 13.0440, 7.4505 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(121, 97, 69) }
```


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

```
.border{ border-color:rgb(121, 97, 69) }
```

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

Here you see how a box with a 4 pixel rgb(121, 97, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 97, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 97, 69);  
box-shadow:4px 4px 4px 4px rgb(121, 97,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2340, 13.0440, 7.4505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 97, 69) }
```

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

```
.background{ background-color: rgb(121, 97,  
69) }
```

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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