

Converting Colors

XYZ(13.0344, 13.1925, 8.3295)

Have a look what the booklet for
XYZ(13.0344, 13.1925, 8.3295)
contains.

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Color

**XYZ(13.0340, 13.2000,
8.3395)**

Conversions

Conversions Part 1

Format	Color
Hex	75634A
RGB	117, 99, 74
RGB Percent	46%, 39%, 29%
CMY	0.5412, 0.6118, 0.7098
CMYK	0.00, 0.15, 0.37, 0.54
HSL	35°, 23%, 37%
HSV	35°, 37%, 46%
XYZ	13.0340, 13.2000, 8.3395
YIQ	101.5320, 18.7530, -3.9590

Conversions

Conversions Part 2

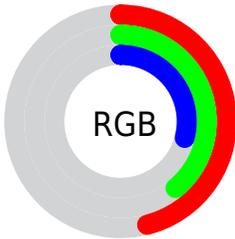
Format	Color
R_{YB}	105, 117, 74
Decimal	7693130
CIE Lab	43.06, 3.26, 16.90
CIE LCh	43, 17.208, 79.088
Yxy	13.2000, 0.3770, 0.3818
Android (android.graphics.Color)	4285883210 (0xFF75634A)
YUV	101.5320, -13.5733, 13.5654
Hunter-Lab	36.3318, 0.4560, 11.8230

Details

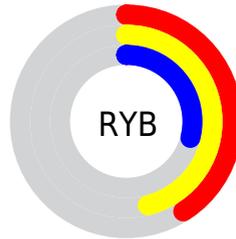
The XYZ color **13.0340, 13.2000, 8.3395** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.8620, 10.3942, 18.3161**, and the grayscale version is **12.5384, 13.1914, 14.3654**.

A 20% lighter version of the original color is **31.0591, 31.7888, 23.2378**, and **3.8913, 3.8689, 1.7700** is the 20% darker color. If you saturate the color by 10%, you get **12.2261, 12.1573, 6.3031**, and if you desaturate by 10%, it is **13.9441, 14.3295, 10.7721**.

Distribution



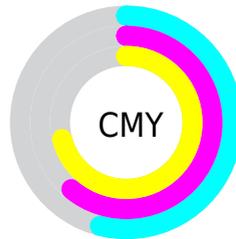
- Red (46%)
- Green (39%)
- Blue (29%)



- Red (41%)
- Yellow (46%)
- Blue (29%)



- Cyan (0%)
- Magenta (15%)
- Yellow (37%)
- Black (54%)



- Cyan (54%)
- Magenta (61%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0340, 13.2000, 8.3395 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 13.0340, 13.2000, 8.3395 by changing the saturation by 10% instead.

 13.0340, 13.2000,
8.3395

 13.0340, 13.2000,
8.3395

204.7686,
212.1955, 188.4041

 7.5291, 7.5664,
4.2221

 30.9656, 31.6626,
23.1784

 3.8444, 3.8188,
1.7479

 44.1231, 45.2605,
34.7370

 1.6145, 1.5727,
0.3933

 60.5622, 62.2818,
49.6130

 0.4018, 0.3391,
0.0000

 80.6482, 83.1111,
68.2251

 0.0000, 0.0000,
0.0000

 104.7465,
108.1327, 90.9917

133.2224,

137.7311, 118.3313

166.4414,
172.2905, 150.6626

■ 13.0340, 13.2000,
8.3395

■ 13.0340, 13.2000,
8.3395

■ 12.2261, 12.1573,
6.3031

■ 13.9441, 14.3295,
10.7721

■ 11.5147, 11.1970,
4.6404

■ 14.9596, 15.5465,
13.6199

■ 10.8953, 10.3170,
3.3280

■ 16.0848, 16.8539,
16.9020

■ 10.3623, 9.5140,
2.3394

■ 17.3234, 18.2540,
20.6357

■ 9.9095, 8.7849,
1.6443

■ 18.6790, 19.7489,
24.8375

■ 9.5235, 8.1233,
1.1752

■ 20.1551, 21.3407,
29.5232

■ 9.4051, 7.9198,
1.0330

■ 21.7547, 23.0312,
34.7076

■ 23.4811, 24.8226,
40.4050

■ 25.3372, 26.7165,
46.6292

Harmonies

Analogous

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



14.2872, 13.2000, 9.5394



13.0340, 13.2000, 8.3395



11.7325, 13.2000, 8.5280

Triad

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



13.0340, 13.2000, 8.3395



10.2922, 13.2000, 16.8894



14.5688, 13.2000, 19.6919

Complementary

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



13.0340, 13.2000, 8.3395



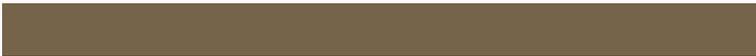
9.8620, 10.3942, 18.3161

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.



13.3967, 13.2000, 22.4164



13.0340, 13.2000, 8.3395



10.9527, 13.2000, 20.6121

Square

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



13.0340, 13.2000, 8.3395



10.2102, 13.2000, 13.0369



12.0707, 13.2000, 22.7799



15.2138, 13.2000, 15.7964

Rectangle

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



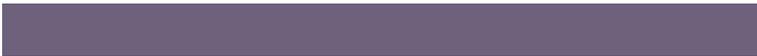
13.0340, 13.2000, 8.3395



11.0095, 13.2000, 9.4265



12.0707, 13.2000, 22.7799



14.2197, 13.2000, 20.8022

Sweetspot

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



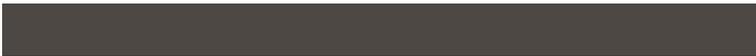
13.0343, 13.2006, 8.3398



27.8650, 29.0989, 27.5040



11.7446, 9.4635, 11.4788



6.3594, 6.6355, 6.1861



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.



13.0343, 13.2006, 8.3398



22.1150, 22.0616, 11.8294



14.5542, 16.8034, 8.9551



3.8443, 4.0215, 3.9159



10.3469, 8.6950, 1.1330



49.5607, 40.6498, 5.2341

Inverse Universe

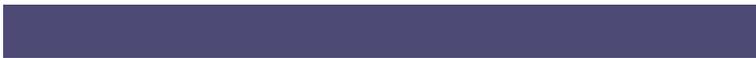
The Inverse Universe completely reimagines the original color for something new.



9.8620, 10.3942, 18.3161



15.5593, 16.2655, 32.4565



8.7097, 7.7544, 17.8673



3.6149, 3.8184, 4.6367



4.7316, 3.8029, 19.0272



22.2500, 16.9166, 92.4528

Previews

White Background



This preview shows how the XYZ color 13.0340, 13.2000, 8.3395 looks on a white background.

Color Contrast Check

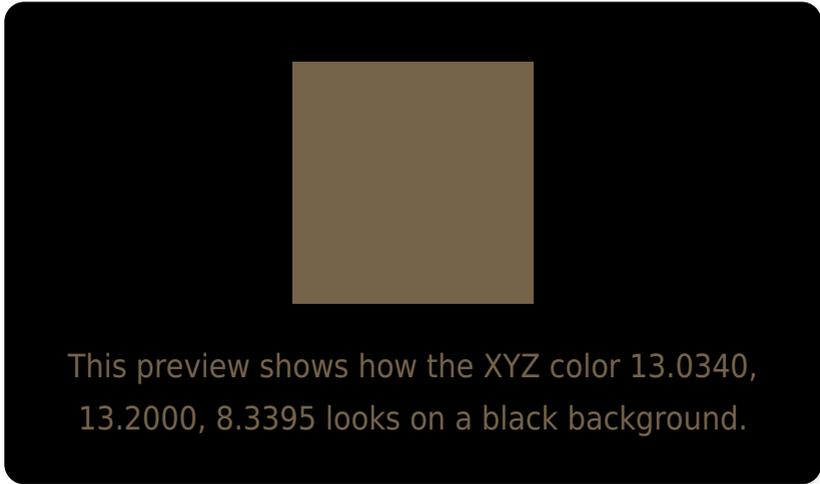
Large Text (above 18pt) WCAG AA ✓ Pass

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

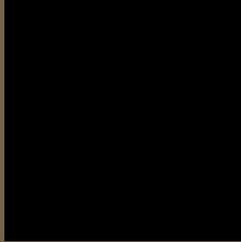
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0340, 13.2000, 8.3395

Background



This preview shows how black text looks on a background with the XYZ color 13.0340, 13.2000, 8.3395.



This preview shows how white text looks on a background with the XYZ color 13.0340, 13.2000,

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

13.0340, 13.2000, 8.3395

Protanopia

12.3280, 13.2620, 8.5667

Deuteranopia

13.4889, 13.2947, 8.3338



Tritanopia

14.2861, 13.1568, 14.6185

Trichromacy



Original Color

13.0340, 13.2000, 8.3395

Protanomaly

12.6058, 13.2601, 8.5517

Deuteranomaly

13.3494, 13.2228, 8.3272

Tritanomaly

13.7224, 13.0604, 11.9229

Monochromacy



Original Color

13.0340, 13.2000, 8.3395

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6489, 13.2059, 12.0075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0340, 13.2000, 8.3395 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(117, 99, 74)` looks like.

```
.text, #text, p{  
    color:rgb(117, 99, 74)  
}
```

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(117, 99, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 99, 74) }
```

Border

The CSS property to change the border of an element to XYZ 13.0340, 13.2000, 8.3395 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(117, 99, 74) }
```


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

```
.border{ border-color:rgb(117, 99, 74) }
```

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

Here you see how a box with a 4 pixel rgb(117, 99, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 99, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 99, 74);  
box-shadow:4px 4px 4px 4px rgb(117, 99,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0340, 13.2000, 8.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 99, 74) }
```

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

```
.background{ background-color: rgb(117, 99,  
74) }
```

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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