

Converting Colors

XYZ(13.1033, 13.0473, 7.7044)

Have a look what the booklet for
XYZ(13.1033, 13.0473, 7.7044)
contains.

XYZ(13.0809, 13.0995, 7.6334)	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(13.0809, 13.0995,
7.6334)**

Conversions

Conversions Part 1

Format	Color
Hex	776246
RGB	119, 98, 70
RGB Percent	47%, 38%, 27%
CMY	0.5333, 0.6157, 0.7255
CMYK	0.00, 0.18, 0.41, 0.53
HSL	34°, 26%, 37%
HSV	34°, 41%, 47%
XYZ	13.0809, 13.0995, 7.6334
YIQ	101.0870, 21.5040, -4.2560

Conversions

Conversions Part 2

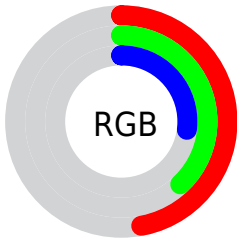
Format	Color
RYB	107, 119, 70
Decimal	7823942
CIELab	42.91, 4.21, 19.11
CIElCh	43, 19.566, 77.562
Yxy	13.0995, 0.3869, 0.3874
Android (android.graphics.Color)	4286014022 (0xFF776246)
YUV	101.0870, -15.3259, 15.7097
Hunter-Lab	36.1932, 1.1750, 12.8306

Details

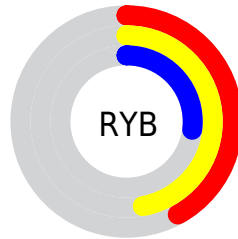
The XYZ color **13.0809, 13.0995, 7.6334** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.5965, 10.1158, 18.8994**, and the grayscale version is **12.4268, 13.0740, 14.2376**.

A 20% lighter version of the original color is **31.0905, 31.5975, 21.9130**, and **3.8687, 3.7958, 1.5060** is the 20% darker color. If you saturate the color by 10%, you get **12.2799, 12.0403, 5.6933**, and if you desaturate by 10%, it is **13.9874, 14.2505, 9.9763**.

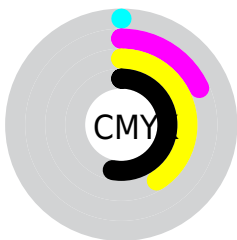
Distribution



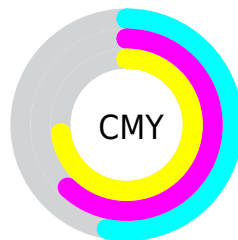
- Red (47%)
- Green (38%)
- Blue (27%)



- Red (42%)
- Yellow (47%)
- Blue (27%)



- Cyan (0%)
- Magenta (18%)
- Yellow (41%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0809, 13.0995, 7.6334 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 13.0809, 13.0995, 7.6334 by changing the saturation by 10% instead.

■ 13.0809, 13.0995,
7.6334

■ 13.0809, 13.0995,
7.6334

205.0626,
211.5544, 182.6535

■ 7.5617, 7.4971,
3.7769

■ 31.0491, 31.4824,
21.7707

■ 3.8652, 3.7749,
1.5038

■ 44.2288, 45.0317,
32.8887

■ 1.6262, 1.5484,
0.2207

■ 60.6927, 61.9988,
47.2641

■ 0.4094, 0.3225,
0.0000

■ 80.8062, 82.7680,
65.3157

■ 0.0000, 0.0000,
0.0000

■ 104.9345,
107.7238, 87.4618

133.4432,

137.2505, 114.1212

166.6974,
171.7326, 145.7122

■ 13.0809, 13.0995,
7.6334

■ 13.0809, 13.0995,
7.6334

■ 12.2799, 12.0403,
5.6933

■ 13.9874, 14.2505,
9.9763

■ 11.5785, 11.0682,
4.1317

■ 15.0030, 15.4943,
12.7429

■ 10.9716, 10.1807,
2.9231

■ 16.1325, 16.8339,
15.9533

■ 10.4529, 9.3744,
2.0380

■ 17.3797, 18.2718,
19.6263

■ 10.0155, 8.6455,
1.4425

■ 18.7487, 19.8105,
23.7796

■ 9.6753, 8.0570,
1.0452

■ 20.2429, 21.4520,
28.4298

■ 21.8658, 23.1987,
33.5928

■ 23.6209, 25.0525,
39.2839

■ 25.5112, 27.0155,
45.5177

Harmonies

Analogous

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



14.4954, 13.0995, 9.0040



13.0809, 13.0995, 7.6334



11.6023, 13.0995, 7.7598

Triad

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



13.0809, 13.0995, 7.6334



9.9035, 13.0995, 16.8974



14.6977, 13.0995, 20.5792

Complementary

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



13.0809, 13.0995, 7.6334



9.5965, 10.1158, 18.8994

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.



13.3394, 13.0995, 23.6527



13.0809, 13.0995, 7.6334



10.6079, 13.0995, 21.2517

Square

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



13.0809, 13.0995, 7.6334



9.8464, 13.0995, 12.5605



11.8410, 13.0995, 23.9209



15.4779, 13.0995, 16.1131

Rectangle

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



13.0809, 13.0995, 7.6334



10.7773, 13.0995, 8.6764



11.8410, 13.0995, 23.9209



14.2888, 13.0995, 21.8451

Sweetspot

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



13.0812, 13.1001, 7.6337



28.6501, 29.8653, 27.8779



11.6964, 9.0618, 11.0831



6.7409, 7.0203, 6.4659



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.



13.0812, 13.1001, 7.6337



22.1159, 21.7309, 10.4892



14.8694, 17.3305, 8.3560



3.8414, 4.0158, 3.9150



10.2699, 8.5409, 1.1073



49.1833, 39.8950, 5.1083

Inverse Universe

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



9.5965, 10.1158, 18.8994



15.0079, 15.6480, 33.4824



8.2880, 7.1393, 18.3939



3.6177, 3.8240, 4.6377



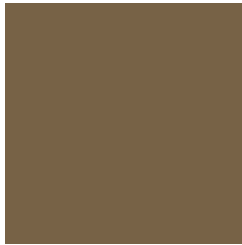
4.7859, 3.9114, 19.0453



22.5062, 17.4289, 92.5382

Previews

White Background



This preview shows how the XYZ color 13.0809, 13.0995, 7.6334 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 13.0809, 13.0995, 7.6334 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 13.0809, 13.0995, 7.6334

Background



This preview shows how black text looks on a background with the XYZ color 13.0809, 13.0995, 7.6334.



This preview shows how white text looks on a background with the XYZ color 13.0809, 13.0995,

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

13.0809, 13.0995, 7.6334

Protanopia

12.0977, 13.0135, 7.8355

Deuteranopia

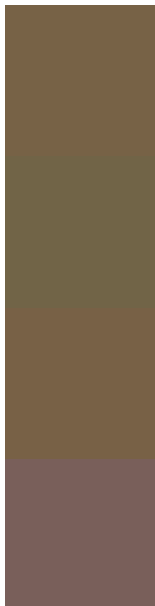
13.2653, 13.0565, 7.6154



Tritanopia

14.3777, 13.0826, 14.0793

Trichromacy



Original Color

13.0809, 13.0995, 7.6334

Protanomaly

12.5046, 13.0800, 7.8269

Deuteranomaly

13.1259, 12.9847, 7.6088

Tritanomaly

13.8228, 12.9876, 11.4512

Monochromacy



Original Color

13.0809, 13.0995, 7.6334

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.5870, 13.0407, 11.5266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0809, 13.0995, 7.6334 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(119, 98, 70) looks like.

```
.text, #text, p{  
    color:rgb(119, 98, 70)  
}
```

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(119, 98, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 98, 70) }
```

Border

The CSS property to change the border of an element to XYZ 13.0809, 13.0995, 7.6334 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(119, 98, 70) }
```


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

```
.border{ border-color:rgb(119, 98, 70) }
```

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

Here you see how a box with a 4 pixel rgb(119, 98, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 98, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 98, 70);  
box-shadow:4px 4px 4px 4px rgb(119, 98,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0809, 13.0995, 7.6334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 98, 70) }
```

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

```
.background{ background-color: rgb(119, 98,  
70) }
```

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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